PEACE/WILLISTON
FISH & WILDLIFE
COMPENSATION
PROGRAM

BCHydro

BRITISH
COLUMBIA

Williston Reservoir Watershed: Fish and Fish Habitat, Benthos, And Water Quality Data.

T. D. French
April 1999

PWFWCP Report No. 192

The Peace/Williston Fish & Wildlife Compensation Program is a cooperative venture of BC Hydro and the provincial fish and wildlife management agencies, supported by funding from BC Hydro. The Program was established to enhance and protect fish and wildlife resources affected by the construction of the W.A.C. Bennett and Peace Canyon dams on the Peace River, and the subsequent creation of the Williston and Dinosaur Reservoirs.

Peace/Williston Fish and Wildlife Compensation Program, 1011 Fourth Ave. 3rd Floor, Prince George B.C. V2L 3H9

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This report has been approved by the Peace/Williston Fish and Wildlife Compensation Program Fish Technical Committee.

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WILLISTON RESERVOIR WATERSHED: FISH AND FISH HABITAT, BENTHOS, AND WATER QUALITY DATA

A COMPENDIUM OF DATA SOURCES
(1959 to 1998)

Prepared For:

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1011 4th Avenue (3rd Floor), Prince George, BC, V2L 3H9

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August 8, 1999

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Many thanks to the PWFWCP, BC Hydro and BCMELP for giving me the opportunity to work with them on this project.

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ABSTRACT

BC Hydro established the Peace/Williston Fish and Wildlife Compensation Program (PWFWCP) in 1988 to compensate for the environmental and ecological effects of the W.A.C. Bennett Dam (constructed in 1968), which is located at the outlet of Williston Reservoir, and the Peace Canyon Dam (20.5 km downstream of the outlet). The PWFWCP Fish Technical Committee and Program Staff are, at this time, preparing a Fisheries Strategic Plan that will chart the direction of the fish component the Program for the next five years. The Fish Technical Committee has decided to review existing Williston Watershed files and reports for relevant fish data and for data that may be functionally pertinent to the watershed's fish communities (e.g., water quality, benthos, physical habitat and pollution) prior to developing the Strategic Plan, so that the Plan can be developed in view of "what is already known" and "what has been accomplished to date".

The primary objectives of this project are: (1) to identify fish-related work that has been done in the Williston Reservoir Watershed to date (1959 to 1998) (Phase 1 work); and (2) to review the basic findings, conclusions and recommendations of all Program-based projects (1988 to 1998) (Phase 2 work). The results of the Phase 1 work are given in this document in a bibliographical format. The results of the Phase 2 work are given in the document: *Rae, R., and T.D. French. 1999. Fish and Fish Habitat Projects in the Williston Reservoir Watershed: A Review of Peace/Williston Compensation Program Reports (1988 to 1998). Peace/Williston Fish and Wildlife Compensation Program, Report No. 193. 106 pp.*

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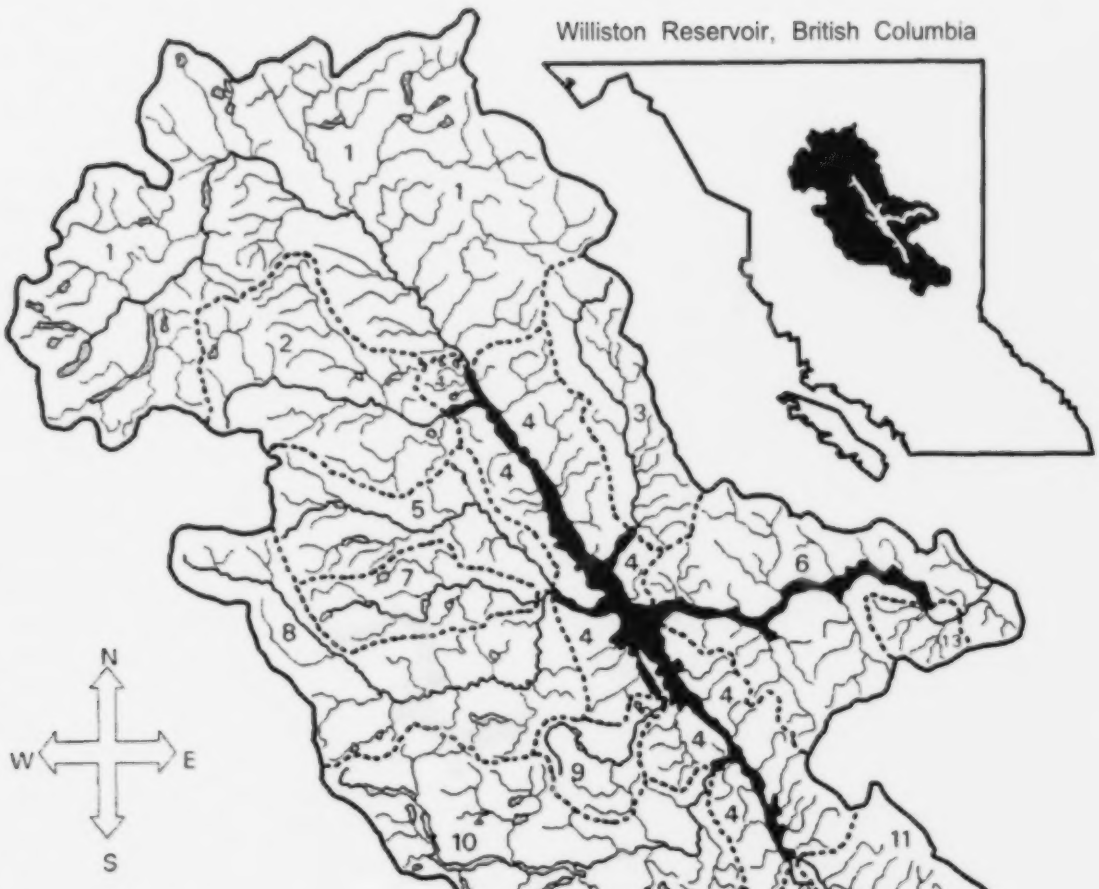
1.0 BACKGROUND AND OBJECTIVES

Williston Reservoir, having a surface area of 1,736 km^2, is by far the largest body of fresh water in British Columbia (Figure 1). The reservoir reached its full capacity in 1972, following a period of back-flooding by the W.A.C. Bennett Dam (located at the outlet of Williston Reservoir's Peace Reach). This back-flooding converted, in effect, a huge network of pristine rivers and streams (lotic environments) into a single lake-like system (lentic environment). While the ecological effects of this shift to lentic dominance have not been quantified, it is generally believed that it has resulted in dramatic changes in fish community structure; such that some species seem to have been adversely affected (e.g., Arctic grayling, mountain whitefish and rainbow trout) while others seem to have benefited (e.g., lake whitefish, bull trout and kokanee) (Langston and Blackman 1993). The mechanisms responsible for the apparent changes in fish community structure are not clearly understood, but, in all likelihood, they have both ecological (i.e., changes may reflect species/community adaptability) and sociological (the reservoir may have opened the watershed up to recreational fishers and other industries that affect fish and fish habitat) bases.

BC Hydro established the Peace/Williston Fish and Wildlife Compensation Program (PWFWCP) in 1988 to compensate for the environmental and ecological effects of the W.A.C. Bennett and the Peace Canyon (20.5 km downstream of the W.A.C. Bennett Dam) dams. The PWFWCP Fish Technical Committee and Program Staff are, at this time, developing a Strategic Plan that will chart the direction of the fish component of the Program for the next five years. The Fish Technical Committee has decided to review existing Williston Watershed files and reports for relevant fish data and for data that may be functionally pertinent to the watershed's fish communities (e.g., water quality, benthos, physical habitat and pollution) prior to developing the Strategic Plan, so that the Plan can be developed in view of "what is already known" and "what has been accomplished to date".

The primary objectives of this project are: (1) to identify fish-related work that has been done in the Williston Reservoir Watershed to date (1959 to 1998) (Phase 1 work); and (2) to review the basic findings, major conclusions and recommendations of all Program-based projects (1988 to 1998) (Phase 2 work). The results of the Phase 1 work are given in this document in a bibliographical format. The results of the Phase 2 work are given in the document: *Rae, R., and T.D. French. 1999. Fish and Fish Habitat Projects in the Williston Reservoir Watershed: A Review of Peace/Williston Compensation Program Reports (1988 to 1998). PWFWCP, Report No. 193. 106 pp.* While the Phase 1 and 2 reports will help Program designates develop the Strategic Plan of the next five years (the overall project objective), their use is limited in that the text-based format does not permit users to conduct data queries or specific data extractions. Having said this, these reports do provide a complete listing of data sources that may be used to develop a searchable database.



Key To Major Basins.....N.T.S. Mapsheets

1. Finlay River.....94-C, 94-D, 94-E, 94-F
2. Ingenika River.....94-C, 94-D, 94-E, 94-F
3. Ospika River.....94-B, 94-C, 94-F, 94-G
4. Williston Reservoir Residual.....93-N, 93-O, 94-B, 94-C
5. Mesilinka River.....94-C
6. Peace Reach.....93-0, 93-P, 94-A, 94-B
7. Osilinka River.....93-N, 94-C
8. Omineca River.....93-M, 93-N, 94-C, 94-D
9. Manson River.....93-N, 93-0
10. Nation River.....93-N, 93-O
11. Parsnip River.....93-I, 93-J, 93-O
12. Crooked-Pack Rivers.....93-J, 93-0
13. Dinosaur Reservoir Basin.....93-0

1:2450000

Figure 1. Major drainage boundaries (dashed lines) of Williston Reservoir Watershed. Basin boundaries delineated from 1:250,000 Energy, Mines and Resources contour maps (500-ft.contours). Basins named after largest mainstem(s) (shown in bold).

2.0 METHODS

2.1 STUDY BOUNDARY

The data search focussed on those regions of the watershed located upstream of the Peace Canyon Dam (downstream end of Dinosaur Reservoir) (Figure 1). The PWFWCP sponsored nine projects in the Pine River system, which flows into the Peace River approximately 110 km downstream of Dinosaur Reservoir, between 1991 and 1998. Although these projects were not undertaken in the primary study area, they are included in this report because they represent work completed and financed by the Program (see Appendix A).

2.2 SEARCH FOR DATA SOURCES

2.2.1 Library Catalogues

The internet catalogues of one government library, one college library and three university libraries were searched for information relevant to Williston Watershed's aquatic resources (see Section 2.3 for acronym definitions) (Table 1):

TABLE 1. INTERNET LIBRARY CATALOGUES SEARCHED.

CATALOGUE	INTERNET ADDRESS
(1) BCMELP Main Library, Victoria	http://www.elplibrary.gov.bc.ca
(2) CNC Library, PG	http://www.cnc.bc.ca/library/library/htm
(3) UBC Library, Vancouver	http://www.ubc.ca
(4) UNBC Library, PG	http://library.unbc.ca
(5) U of A Library, Edmonton	http://www.library.ualberta.ca

The library catalogues were searched using the names of gazetted waterbodies (1:250,000 Energy, Mines and Resources maps and forest company road maps) as keywords. Information on regional Arctic grayling (a regional high-priority species) populations was searched for using "Arctic grayling" as a keyword. Relevant reports from PWFWCP Report Series were gathered from the PWFWCP Library, Prince George (see Section 2.4).

2.2.2 CD-ROM Databases

Two CD-ROM databases were searched: (1) Water Resources Worldwide (1970 to 1998); and (2) Microlog (1985 to 1998). As were the library catalogues, the CD-ROM databases were searched using gazetted waterbody names and "Arctic grayling" as keywords.

2.2.3 Provincial and Federal Databases

Two Provincial databases (EMS and FISS) and one Federal database (HYDAT) were searched for information relevant to Williston Watershed's aquatic resources. A list of EMS sites was provided by Ms. Ute Miller (Systems Application Officer, BCMELP, Victoria). This list was visually scanned for sites relevant to the Williston Watershed.

The FISS database was searched at the internet address http://www.env.gov.bc.ca/fsh/ids/dman/FISS/ref.htm) using watershed codes as keywords.

The HYDAT database was searched to identify the location and status of Environment Canada (Water Survey) flow and water-level gauges.

2.2.4 Verbal Communications

Several authorities were contacted to access undocumented and very new information that may not be entered into CD-ROM databases or government and university/college catalogues (Table 2):

TABLE 2. LIST OF VERBAL COMMUNICATIONS.

NAME	AFFILIATION	DATE (MM/DD/YY)	PHONE NO.	NATURE OF BUSINESS
(1) Nick Baccante	Fisheries Section, BCMELP, FSJ	Several times	(250) 787 3289	Outlined project objectives, provided data sources and commented on drafts
(2) Brian Blackman	PWFWCP, PG	01/18/99	(250) 565 6413	Provided relevant data sources and ecological information on Arctic grayling
(3) Lynne Blouw	Fisheries Section, BCMELP, PG	01/15/99	(250) 565 6424	Provided information on recent FRBC-funded fish and fish habitat inventories
(4) Bruce Carmichael	Pollution Prevention, BCMELP, PG	01/21/99	(250) 565 6455	Provided reports on pollution studies; particularly those related to the Kemess and Mt. Mulligan mines
(5) Keith Hryciw	Environment Canada (Water Survey), PG	01/21/99	(250) 561 5352	Provided a list of Water Survey of Canada stations
(6) Ben Kangasniemi	Watershed Management Unit, BCMELP, Victoria	01/05/99	(250) 387 9493	Provided information on: (1) fisheries and water quality studies associated with Baker Mine; and (2) mercury tainting of fish tissues in the Finlay River and Weissener Lake
(7) Ute Muller	Systems Applications, BCMELP, Victoria	01/21/99	(250) 356 1924	Provided a list of Williston Watershed EMS sites
(8) Nellie Peppin	Systems Applications, BCMELP, Victoria	01/22/99	(250) 387 9962	Provided information on the most efficient way to obtain EMS data
(9) Dave Sutherland	Pollution Prevention, BCMELP, PG	01/05/99	(250) 565 6465	Provided Environmental Effects Monitoring (EEM) reports and general information on pollution sources/effects
(10) Blair Thorson	Environment Canada (Water Survey), FSJ	02/18/99	(250) 987 9130	Provided information on upstream-most flow gauging station
(11) Adam Wei	Water Management Branch, BCMELP, PG	01/25/99	(250) 565 6154	Provided information on the flow monitoring gauges installed on the Upper Anzac and Upper Missinka rivers and Colbourne Creek
(12) Bob Westcott	BC Hydro, Hudson's Hope	Several times	(250) 783 5058	Outlined project objectives, provided comments on drafts and data sources
(13) Ted Zimmerman	Fisheries Section, BCMELP, PG	01/15/99	(250) 565 6852	Provided information on recent FRBC-funded fisheries and fish habitat inventories

2.3 ACRONYMS AND ABBREVIATIONS

The following acronyms and abbreviations were used whenever possible to minimize the length of this report (Table 3):

TABLE 3. ACRONYMS AND ABBREVIATIONS USED IN THIS DOCUMENT.

ACRONYMS AND ABBREVIATIONS	DEFINITION
BCMELP	British Columbia Ministry of Environment, Lands and Parks
CNC	College of New Caledonia, PG
EMS	Environmental Monitoring System database (contains water and pollution chemistry data for a large number of BC sites)
FISS	Fisheries Information Summary System database (contains fisheries-related citations relevant to BCfisheries)
FRBC	Forest Renewal British Columbia
FSJ	City of Fort St. John
HYDAT	Federal Hydrological Data database (contains flow and suspended sediment data for many Canadian rivers and streams and water level data for many lakes)
N.T.S.	National Topographic Series
PWFWCP	Peace/Williston Fish and Wildlife Compensation Program
PG	City of Prince George
UBC	University of British Columbia, Vancouver
UNBC	University of Northern British Columbia, Prince George
U of A	University of Alberta, Edmonton

2.4 CITATION FORMATTING AND REFERENCE AVAILABILITY

Every effort was made to cite reports and papers in a consistent and standard format. Most citations list all accredited authors and their initials, reporting date, document title, document source and, when the report was prepared by a consultant, who the document was prepared for, and total number of pages. In some cases, particularly in FISS references and BCMELP Main Library records, the referencing information was incomplete and could not, therefore, be formatted to the specified style (FISS and BCMELP records may not necessarily list all accredited authors and their initials). Individuals that use the Williston Watershed FISS references should be aware that there are a few watershed code transcription errors (i.e., there are some Fraser River Watershed waterbodies listed with Williston Watershed FISS references - the Fraser River waterbodies were given Williston Watershed watershed codes).

The location of each reference is given at the end of each citation so that interested readers can easily find the listed data sources. To minimize the length of this report, the reference locations were abbreviated as follows (Table 4):

TABLE 4. PHYSICAL ADDRESS OF REFERENCE LIBRARIES.

REFERENCE LOCATIONS	PHYSICAL ADDRESS
(1) BCMELP, Fisheries Branch, PG	1011 4th Avenue, Prince George (3rd Floor)
(2) BCMELP, Fisheries Branch, Victoria	780 Blanchard Street, Victoria (3rd Floor)
(3) BCMELP, Fisheries Branch, FSJ	1003 110th Avenue, Fort St. John (4th Floor)
(4) BCMELP Library, FSJ	1003 110th Avenue, Fort St. John (4th Floor)
(5) BCMELP Library, PG	1011 4th Avenue, Prince George (3rd Floor)
(6) BCMELP Library, Smithers	3726 Alfred Avenue, Smithers (1st Floor)
(7) BCMELP Library, Victoria	2975 Jutland Road, Victoria (1st Floor)
(8) Geological Survey of Canada	605 Robson Street, Vancouver (1st Floor)
(9) Parks North Library, PG	4051 18th Avenue, Prince George
(10) PWFWCP Library, PG	1011 4th Avenue, Prince George (3rd Floor)
(11) Pollution Prevention, PG	1011 4th Avenue, Prince George (3rd Floor)
(12) Regional Lake Inventory Files, PG	1011 4th Avenue, Prince George (3rd Floor)
(13) UBC Libraries	Point Grey, Vancouver
(14) UNBC Library	3333 University Way, Prince George

2.5 REPORT ORGANIZATION

2.5.1 Sub-Basin Classification

The data sources were grouped first into one of the 1 3 major sub-basins shown on Figure 1 (Table 5):

TABLE 5. MAJOR SUB-BASINS OF WILLISTON RESERVOIR WATERSHED.

SUB-BASIN	CATCHMENT AREA[a] (@ 1:2,000,000)	DEFINITION
(1) Finlay River	25,400 km^2	Those containing data on waterbodies in the Finlay River system
(2) Ingenika River	6,700 km^2	Those containing data on waterbodies in the Ingenika River system
(3) Ospika River	3,600 km^2	Those containing data on waterbodies in the Ospika River system
(4) Williston Residual	12,200[b] km^2	Those containing data on waterbodies that do not drain into the major systems specified in this table (small systems that drain directly into Williston Reservoir)
(5) Mesilinka River	4,600 km^2	Those containing data on waterbodies in the Mesilinka River system
(6) Peace Reach	7,800[c] km^2	Those containing data on waterbodies that drain into the Peace Reach of Williston Reservoir
(7) Osilinka River	2,300 km^2	Those containing data on lakes and streams located Osilinka River system
(8) Omineca River	8,600 km^2	Those containing data on lakes and streams in the Omineca River system
(9) Manson River	1,900 km^2	Those containing data on waterbodies in the Manson River system
(10) Nation River	9,200 km^2	Those containing data on waterbodies in the Nation River system
(11) Parsnip River	7,100 km^2	Those containing data on water bodies in the Parsnip River system
(12) Crooked-Pack	5,500 km^2	Those containing data on waterbodies in the Crooked-Pack river systems
(13) Dinosaur Reservoir	1,100[d] km^2	Those containing data on waterbodies in the Dinosaur Reservoir system

[a] measured to mouth.
[b] includes reservoir area minus area of Peace Reach.
[c] includes Peace Reach area of Williston Reservoir.
[d] does not include area upstream of W.A.C. Bennett Dam.

Thus, each section of this report contains a listing of sources that contain data or relevant information on the specified sub-basin. Sub-basins are specified on the "HEADER" string of each page so that readers can easily move from one sub-basin to another without having to refer to the table of contents. When data sources contain information on more than one sub-basin, the source is listed in all corresponding sections of the report. For example, the report:

> Langston, A.R. 1993. Water Temperatures of the Nation and Mesilinka River Systems 1993. Peace/Williston Fish and Wildlife Compensation Program, Report No. 75. 56 pp.

was entered in both the "Nation River Sub-Basin" and "Mesilinka River Sub-Basin" sections because the report contains water temperature data for both the Nation and Mesilinka rivers.

Projects undertaken outside of the primary study area (see Section 2.1) are grouped at the end of this document (Appendix A). Program reports written to convey general, non-technical information to the public are grouped in Section 4.1 ("Public Consultation Reports").

A large check mark (✓) was placed beside PWFWCP reports to distinguish Program reports from non-Program reports.

2.5.2 Subject Categorization

Once grouped by sub-basin (Section 2.5.1), the data sources were grouped again into one of nine subject categories (Table 6):

TABLE 6. SUBJECT CATEGORIES.

SUBJECT CATEGORY	DESCRIPTION
(1) Inventory Projects	fish and fish habitat surveys; collection type surveys performed without specific hypotheses; recommendations for future work are made following baseline survey; enhancement opportunities are generally highlighted
(2) Planning Reports	documents that summarize past projects or suggestions for future work (long-term plans); management plans; documents that summarize information on a large number of lakes, streams or rivers; documents that identify and summarize large-scale enhancement opportunities (often fish stocking)
(3) Enhancement Projects	fish stocking and studies and inventories that are done in conjunction with enhancement projects (e.g., water temperature data collected for Nation and Mesilinka rivers and the Mesilinka River fertilization experiment)
(4)EnhancementEvaluations	generally follow-ups to Enhancement projects, e.g., creel surveys that assess the contribution of stocked fish to the recreational fishery, biological responses to stream fertilization
(5) Environmental Impact Studies, Pollutants and Contamination	studies that collect baseline environmental data (typically water, sediment and pollution chemistry, sediment movements and fish habitat) and biological data (typically data on fish distributions, fish-flesh contaminants, benthic invertebrates and periphyton) as part of industrial impact assessments
(6) Basic Research	citations were typically put into this category when the work was published in a peer-review journal or if it was of an academic nature
(7) Federal Flow Gauging Stations	continuous flow (discharge) data collected with gauges installed and maintained by Environment Canada (Water Survey of Canada)

SUBJECT CATEGORY	DESCRIPTION
(8) Provincial Flow Gauging Stations	continuous flow and water-level data collected with gauges installed and maintained by BCMELP (Water Management Branch)
(9) Provincial EMS sites	site-specific surface water and effluent chemistry data that have been entered into BCMELP's EMS database (may contain some biological data)

Table 6 (Cont.)

Reports that contain elements of more that one subject category (e.g., inventory plus enhancement) were repeated across categories (this seldom occurred). For example, the reference referred to in Section 2.5.1 (preceding section) was entered into both "Inventory Projects" (because the report essentially tabulates a large amount of water temperature data) and "Enhancement Projects" (because the temperature data were collected as control references for the Mesilinka River fertilization experiment) sections.

3.0 REFERENCES CITED

(1) Langston, A.R., and B.G. Blackman. 1993. Fisheries Resources and Enhancement Potentials of Selected Tributaries of the Williston Reservoir, Volume II. PWFWCP, Report No. 70. 185 pp. (+ Appendices). (Location: PWFWCP Library, PG)

4.0 RESULTS OVERVIEW

4.1 LIST OF PUBLIC CONSULTATION REPORTS

A total of four public consultation reports were prepared between 1991 and 1994, three of which were PWFWCP reports:

(1) Becker, G.K. 1992. Public Consultation Report 1991/92. PWFWCP, Report No. 17. 12 pp. (Location: PWFWCP Library, PG) ✓

(2) Bemister, C. 1993. Public Consultation Report 1992/93. PWFWCP, Report No. 27. 23 pp. (Location: PWFWCP Library, PG) ✓

(3) Hallam Knight Piesold Ltd. 1994. Kemess South Gold-Copper Project, Application Report: Responses to Reviewers' Information Requests. Prepared for El Condor Resources Ltd. and St. Philips Resources Inc. and British Columbia Environmental Assessment Office, Victoria. (Location: Pollution Prevention, PG)

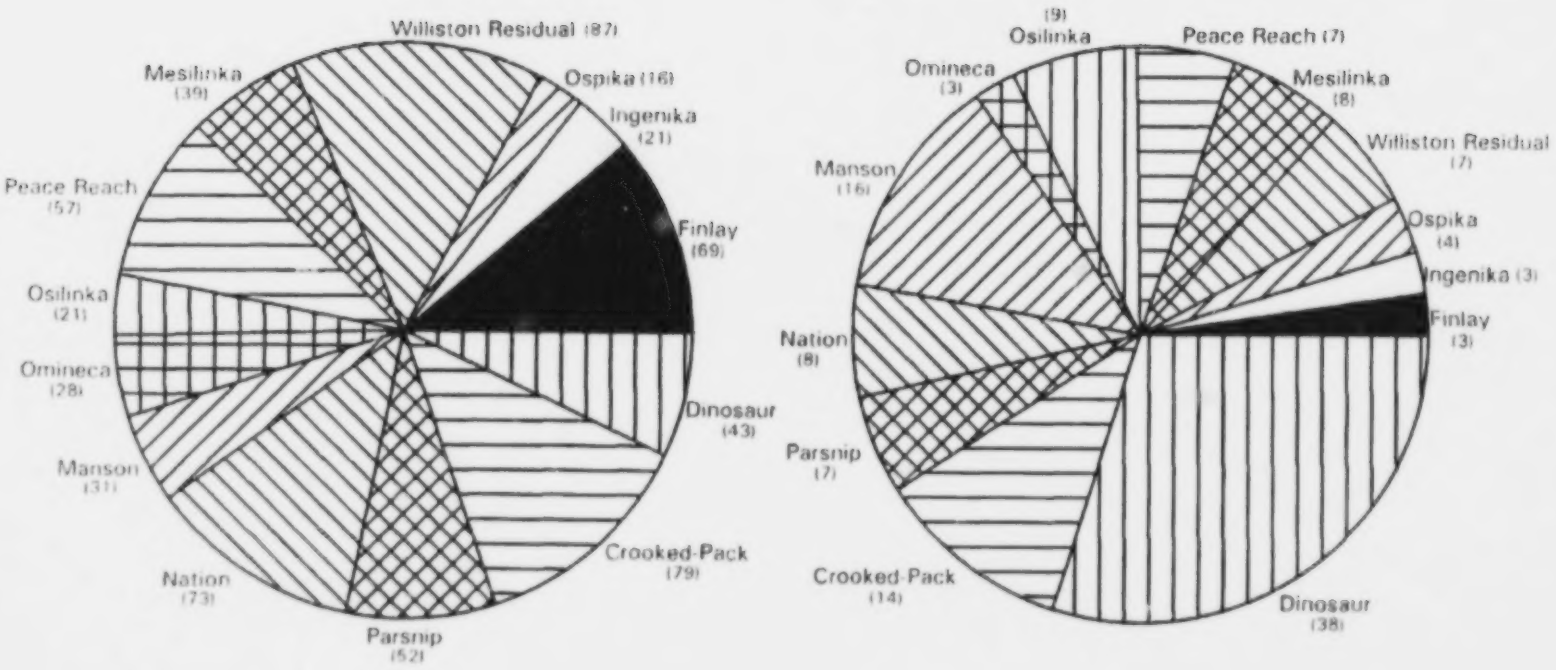
(4) Read, D.J. 1991. Public Consultation Report 1990/91. PWFWCP, Report No. 9. 16 pp. (Location: PWFWCP Library, PG) ✓

4.2 PROJECT DISTRIBUTIONS AND SUBJECT MATTER

Documentation on Williston Reservoir Watershed has focussed on the Williston Reservoir Residual (87 documents), Crooked-Pack Rivers (79), Nation River (73) and Finlay River (69) sub-basins (Figure 2a). However, if analyzed on a "per-unit-area-of-watershed" basis, the Dinosaur Reservoir (38 documents per 1000 km^2), Manson River (16) and Crooked-Pack (14) sub-basins have been studied the most to date (Figure 2b).

As shown in Figure 3, most of the work done to date has been in categories of "Inventory" and "Planning". Most "Impact Assessment" work has been undertaken in view of industrial mines (e.g., gold and copper) proposed for portions of the Finlay River (18 documents), Williston Reservoir Residual (14) and Peace Reach (5) sub-basins. Very little "Basic Research" has been conducted in the watershed to date. One research project that is relevant to all sub-basins is the "Arctic Grayling DNA" work summarized by M. Stamford in 1996 (see "Basic Research" sections below). Other research projects include a study of white sucker and largescale sucker hybridization (Williston Reservoir Residual and Crooked Pack Rivers; see Nelson, J.S. (1974). Syesis, Vol. 7, pp. 187-194), and a study of paleoichthyology (Peace Reach; see Johns, M.J. *et al.* (1997), Geological Survey of Canada Bulletin 502). "Enhancement" projects include the Mesilinka River fertilization experiment and numerous fish-stocking programs.

There are 16 flow gauging stations and 41 EMS stations in the Williston Reservoir Watershed (Figure 4).



(a) Total number of documents per sub-basin

(b) # Reports per 1000 km (reports/sub-basin area x 1000)

Figure 2. Project distribution (watershed basis) in the Williston Reservoir Watershed: (a) Total number of reports per sub-basin (1959 to 1998); (b) Number of reports per 1000 km^2.

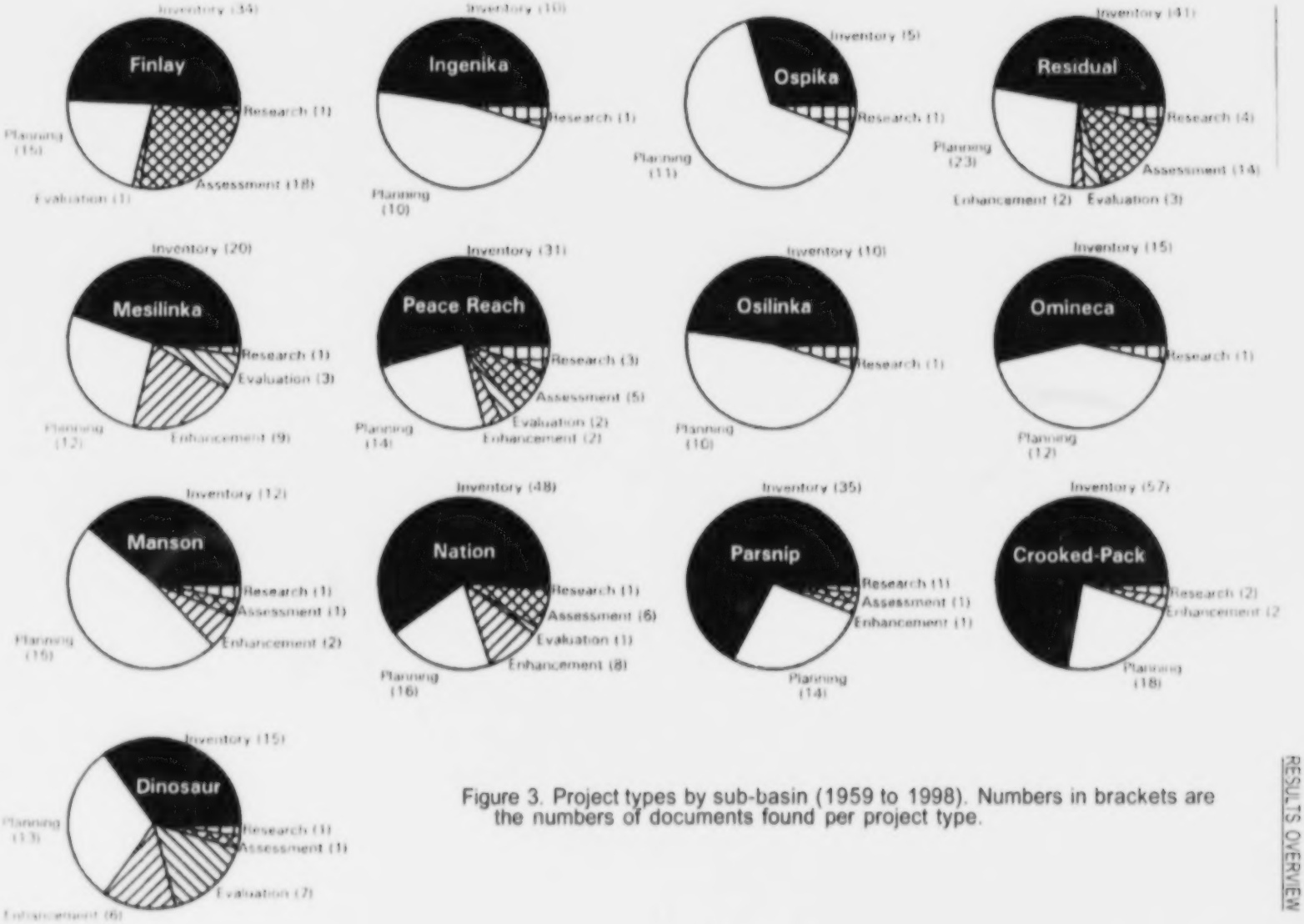
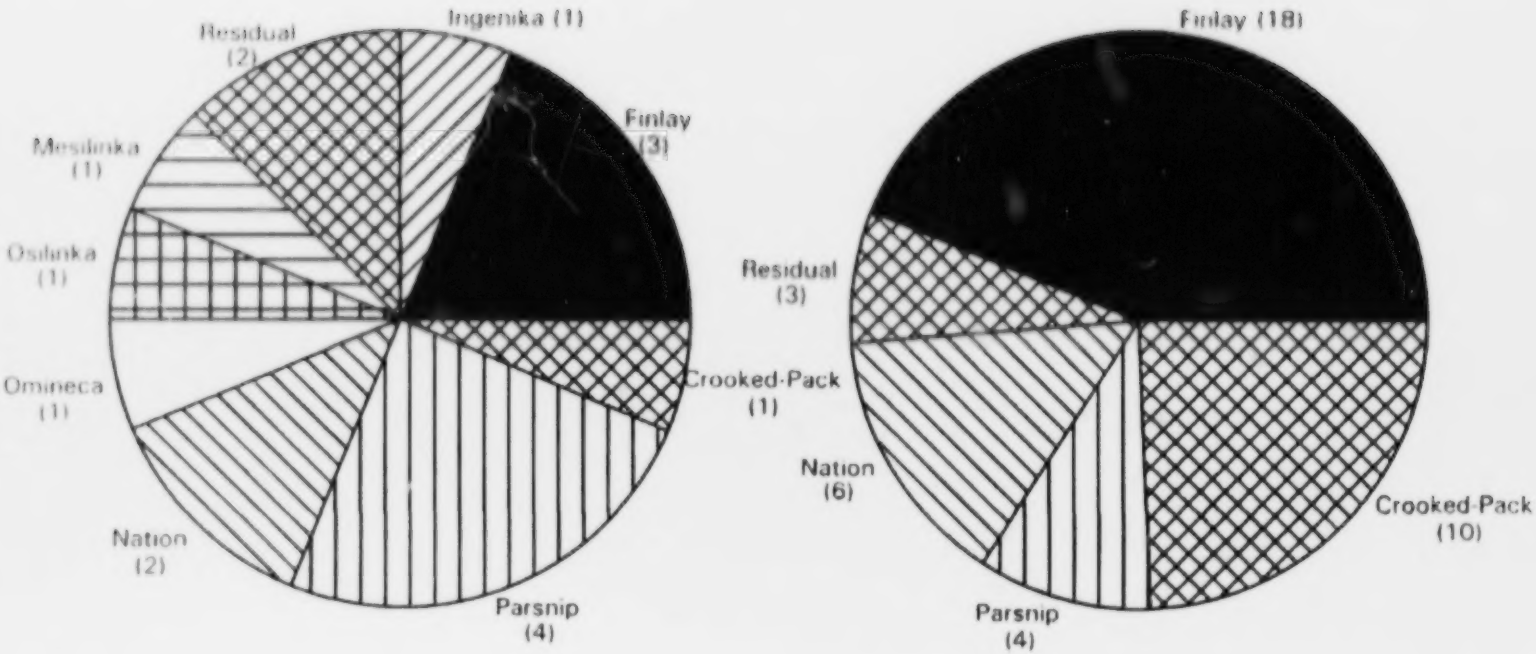


Figure 3. Project types by sub-basin (1959 to 1998). Numbers in brackets are the numbers of documents found per project type.



(a) Continual flow gauging stations (n = 16)

(b) Provincial EMS sites (n = 41)

Figure 4. Distribution of continual flow monitoring gauges (Federal plus Provincial) and Provincial EMS sites.

PART A. FINLAY RIVER SUB-BASIN

5.1 LIST OF NAMED LAKES AND STREAMS

LAKES

1. Aramis Lake
2. Belle Lake, Upper
3. Belle Lake, Lower
4. Bicknell Lake
5. Black Lake
6. Brothers Lake
7. Budd Lake
8. Chesterfield Lake
9. Duncan Lake
10. Ess Lake
11. Estella Lakes
12. Fishing Lakes
13. Foot Lake
14. Fox Lake
15. Hawthorne Lake
16. Hewett Lake
17. Hoy Lake
18. Ipec Lake
19. Jack Lake
20. Kadah Lake
21. Kitchner Lake
22. Lake 8731
23. Moose Horn Lake
24. Obo Lake
25. Pulpit Lake
26. Quentin Lake
27. Rainbow Lake
28. Ridgeway Lake
29. Spinel Lake
30. Stalk Lakes
31. Stelkuz Lake
32. Succour Lake
33. Tatlatui Lake
34. Thorne Lake
36. Thutade Lake
36. Toodoggone Lake
37. Truncate Lakes
38. Trygve Lake
39. Weissener Lake

STREAMS

1. Adit Creek
2. Akie River
3. Antoine Lewis Creek
4. Attichika Creek
5. Attorney Creek
6. Attycelley Creek
7. Belle Creek
8. Blanchard Creek
9. Bower Creek
10. Bowerheney Creek
11. Bronlund Creek
12. Carajou Creek
13. Chapelle Creek
14. Chesterfield Creek
15. Cutoff Creek
16. Dedeeya Creek
17. Del Creek
18. Delta Creek
19. Deserters Creek
20. Estella Creek
21. Finlay River
22. Firesteel River
23. Galen Creek
24. Halfway Creek
25. Haworth Creek
26. Hiamadam Creek
27. Hoy Creek
28. Jack Lee Creek
29. Jellicoe Creek
30. Jock Creek
31. Kadah Creek
32. Joe Poole Creek
33. Katharine Creek
34. Kwadacha River
35. Kemess Creek
36. Lawyers Creek
37. McClaire Creek
38. McCook River
39. McGraw Creek

STREAMS (CONT.)

40. Moose Horn Creek
41. Mulvaney Creek
42. Niven River
43. North Kwadach River
44. Obo River
45. Oxide Creek
46. Pau Creek
47. Paul River
48. Pesika Creek
49. Pilot Creek
50. Rognass Creek
51. Russel Creek
52. Saunders Creek
53. Spinel Creek
54. Stalk Creek
55. Stelkuz Creek
56. Sturdee River
57. Tabletop Creek
58. Thorne Creek
59. Thudaka Creek
60. Thudate Creek
61. Toodoggone River
62. Truncate Creek
63. Trygve Creek
64. Tsaydiz Creek
65. Tseehee Creek
66. Warneford River
67. Weissener Creek

5.2 INVENTORY PROJECTS

(1) Barrett, D.T., and T.G. Halsey. 1985. Fisheries Resources and Fisheries Potential of Williston Reservoir and its Tributary Streams, Volume 1: Fisheries Resources and Fisheries Potential of Williston Reservoir. BCMELP, Fisheries Technical Circular No. 68. (Location: UBC Woodward Library) ✓

(2) BCMELP. 1976(a). Kitchener Lake Data. (Location: Regional Lake Inventory Files, PG)

(3) BCMELP. 1976(b). Upper Stalk Lake Data. (Location: Regional Lake Inventory Files, PG)

(4) BCMELP. 1978. A Reconnaissance Inventory of Natural Resources in the Sturdee Road Corridor. British Columbia Ministry of Environment, Lands, and Parks, Resource Analysis Branch, Victoria, British Columbia. 62 pp. (Location: BCMELP Library, Victoria)

(5) BCMELP. 1982. Chesterfield Lake Data. (Location: Regional Lake Inventory Files, PG)

(6) BCMELP. 1984. Firesteele River Data. (Location: Regional Lake Inventory Files, PG)

(7) BCMELP. 1986. Aerial Creel Survey of Selected Waters in the South Peace River Area of British Columbia, 1985. (Location: BCMELP Library, FSJ)

(8) BCMELP. 1992. Toodoggone River Data. (Location: Regional Lake Inventory Files, PG)

(9) Beak Pacific Inc. (Vancouver, BC). 1998. Fish and Fish Habitat Inventory and Stream Classification: Volume 1, Report; Volume 2, DFO Stream Survey Forms; Volume 3, Original Photos and Negatives; Volume 4, Field Cards; Volume 5, Photo-Ready Copy; Volume 6, Maps. Prepared for Finlay Forest Industries Inc., Mackenzie, BC. (Location: BCMELP Library, PG)

(10) Bruce, P., and PJ. Starr. 1985. Fisheries Resources and Fisheries Potential of Williston Reservoir and its Tributary Streams, Volume 2: Fisheries Resources Potential of Williston Lake Tributaries, a Preliminary Overview. BCMELP, Fisheries Technical Circular No. 69. (Location: BCMELP Library, PG and UNBC Microform 90-06966) ✓

(11) Coombes, D.M.V. 1982. Haworth Lake: Lake Survey (subject: Haworth Lake, Kwadacha River, Williston Basin, Kwadacha Wilderness Provincial Park). (Location: Parks North Library, PG)

(12) Fielden, R.J. 1990. Finlay River Kokanee *(Oncorhynchus nerka)* Spawning Survey 1990. PWFWCP, Report No. 59. 40 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(13) Fielden, R.J. 1992. Finlay River Kokanee *(Oncorhynchus nerka)* Spawning Survey 1991. PWFWCP, Report No. 63. 27 pp. (Location: PWFWCP Library, PG) ✓

(14) Ford and Osmond-Jones. 1976(a). A Reconnaissance Survey of Lower Stalk Lake, MU 07-39. (Location: BCMELP, Fisheries Branch, Victoria)

(15) Ford and Osmond-Jones. 1976(b). A Reconnaissance Survey of Upper Stalk Lake, MU 07-39. (Location: BCMELP, Fisheries Branch, Victoria)

(16) Hunter, M.J. 1997(a). A Reconnaissance Survey of Truncate Lake (#3). PWFWCP, Report No. 152. 23 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(17) Hunter, M.J. 1997(b). A Reconnaissance Survey of Truncate Lake (#1). PWFWCP, Report No. 153. 18 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(18) Hunter, M.J. 1997(c). A Reconnaissance Survey of Unnamed Lake (Lake 8731). PWFWCP, Report No. 154. 24 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(19) Hunter, M. 1997(d). A Reconnaissance Survey of Jack Lake. PWFWCP, Report No. 156. 30 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(20) Mathias, K. 1997. A Reconnaissance Survey of Rainbow Lake. PWFWCP, Report No. 155. 22 pp. (Location: PWFWCP Library, PG) ✓

(21) McLean, A.R., and B.G. Blackman. 1991. Williston Watershed Aerial Kokanee *(Oncorhynchus nerka)* Spawning Survey 1990. PWFWCP, Report No. 62. 10 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(22) Norris, J.G. 1987(a). A Reconnaissance Survey of Fox Lake. (Location: Regional Lake Inventory Files, PG)

(23) Norris, J.G. 1987(b). A Reconnaissance Survey of Obo Lake. (Location: Regional Lake Inventory Files, PG)

(24) Norris, J.G. 1987(c). A Reconnaissance Survey of Toodoggone Lake. (Location: Regional Lake Inventory Files, PG)

(25) Norris, J.G. 1990. Reconnaissance-Level Aquatic Biophysical Inventory of the Toodoggone River and Tributaries. (Location: BCMELP, Fisheries Branch, PG)

(26) Osmond-Jones, E.J., W.G. Hazelwood, and B. Ford. 1977. Wildlife and Fisheries Inventory of Spatsizi Wilderness and Tatlatui Provincial Parks, British Columbia. British Columbia Ministry of Environment, Lands, and Parks, Parks Branch. 292 pp. (Parks North Library, PG)

(27) Philip and Webber (init. not given). 1978. A Reconnaissance Survey of Brothers Lake, MU 07-39. (Location: BCMELP, Fisheries Branch, Victoria)

(28) Philip, D.F. 1985. A Reconnaissance Survey of Rainbow Lake. (Location: Regional Lake Inventory Files, PG)

(29) Retzer, C.M. 1989. Spawning and Rearing Habitat Assessment of Williston Reservoir Tributaries. PWFWCP, Report No. 56. 35 pp. (Location: PWFWCP Library, PG) ✓

(30) Stoddard, E.M. (EMS Aquatic Services). 1996. Northeastern British Columbia Sportfish, Rare and Endangered Fish Species Distribution Maps (Note: this reference includes information on more than 1 50 water bodies in the Williston Reservoir Watershed). (BCMELP, Fisheries Branch, Victoria)

(31) Waberski Darrow Survey Group (Fort St. John, BC). 1997(a). Slocan Group, Stream Inventory, 1997 (incl. full set of 1:20,000 maps and a 1:250,000 overview map). (Location: BCMELP, Fisheries Branch, PG)

(32) Waberski Darrow Survey Group (Fort St. John, BC). 1997(b). Fish Habitat Airborne Survey: Akie River (incl. fourteen 1:20,000 maps and a 1:250,000 overview map). Prepared for BCMELP, Prince George Region. (Location: BCMELP, Fisheries Branch, PG) ✓

(33) Waberski Darrow Survey Group (Fort St. John, BC). 1997(c). Fish Habitat Airborne Survey: Pesika River (incl. seven 1:20,000 maps and a 1:250,000 overview map). Prepared for BCMELP, Prince George Region. (Location: BCMELP, Fisheries Branch, PG) ✓

(34) Zemlak, R.J., and A.R. Langston. 1994. Finlay River Lake Trout Spawning Investigations. PWFWCP, Report No. 80. 6 pp. (Location: PWFWCP Library, PG) ✓

5.3 PLANNING REPORTS

(1) BCMELP. 1983(a). Finlay-Omineca Environmental Plan: Terms of Reference. (Location: BCMELP Library, PG)

(2) BCMELP. 1983(b). Finlay-Omineca Environmental Plan: Technical Report. (Location: BCMELP Library, Victoria)

(3) BCMELP. 1989. Finlay-Omineca Strategic Environmental Plan: Plan Summary. (Location: BCMELP Library, PG)

(4) Blackman, B.G. (in prep.). Summary of Fisheries Activities: Projects Initiated in 1988. In Preparation for Submission to PWFWCP (Location: PWFWCP office, PG) ✓

(5) Blackman, B.G., D. Jesson, D. Ableson, and T. Down. 1990. Williston Lake Fisheries Compensation Program Management Plan. PWFWCP, Report No. 58. 38 pp. (Location: PWFWCP Library, PG) ✓

(6) Blackman, B.G. April 1998 (DRAFT). A Strategic Plan for the Conservation and Restoration of Arctic Grayling in the Williston Reservoir Watershed. 20 pp. (Location: PWFWCP office, PG) ✓

(7) Bruce, P.G., and PJ. Starr. 1985. Photodocumentation of Williston Lake Tributaries for the 1975 Assessment of Fisheries Resource Potential. (Location: BCMELP Library, FSJ)

(8) El Condor Resources Ltd., and St. Philips Resources Inc. 1996. Kemess South Gold/Copper Project. Prepared for Province of British Columbia, Environmental Assessment Office, Victoria, BC. 231 pp. (Location: Pollution Prevention, PG)

(9) Hallam Knight Piesold Ltd. 1993. Kemess South Gold-Copper Project, Application Report (Volume V - Environmental Mitigation and Impact Assessment). Prepared for El Condor Resources Ltd., and St. Philips Resources Inc. (Location: Pollution Prevention, PG)

(10) Kemess Mines Inc., and Royal Oaks Mines Inc. 1996. Kemess South Project, British Columbia: Fisheries Impact Compensation Plan. Kemess Mines Inc. and Royal Oak Mines Inc. (Location: BCMELP Library, PG)

(11) Langston, A.R. 1992. Stream Fertilization Feasibility Study 1991 Data Report. PWFWCP, Report No. 66. 56 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(12) Langston, A.R., and B.G. Blackman. 1993. Fisheries Resources and Enhancement Potentials of Selected Tributaries of the Williston Reservoir, Volume II. PWFWCP, Report No. 70. 185 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(13) Northcote, T.G. 1993. A Review of Management and Enhancement Options for the Arctic Grayling *(Thymallus arcticus)* with Special Reference to the Williston Reservoir Watershed in British Columbia. PWFWCP, Report No. 78. 69 pp. (Location: PWFWCP Library, PG and UNBC Stacks) ✓

(14) Timberline Forest Inventory Consultants Ltd. 1995. Proposal to Map and Sample 20 km of Kemess Creek. Timberline Forest Inventory Consultants Ltd. (Location: BCMELP Library, PG)

(15) Wood, M.D., and B.G. Blackman. 1998. Peace/Williston Fish and Wildlife Compensation Program Annual Report 1997/98. PWFWCP, Report No. 181. 17 pp. (Location: PWFWCP Library, PG) ✓

5.4 ENHANCEMENT PROJECTS

None of the available data fall into this category.

5.5 ENHANCEMENT EVALUATIONS

(1) Langston, A.R., and B.G. Blackman. 1993. Fisheries Resources and Enhancement Potentials of Selected Tributaries of the Williston Reservoir, Volume II. PWFWCP, Report No. 70. 185 pp. (+Appendices). (Location: PWFWCP Library, PG)

5.6 ENVIRONMENTAL IMPACT STUDIES, POLLUTANTS AND CONTAMINANTS

(1) Beak Consultants Ltd. 1982. Fisheries Studies in Water Courses Associated with the Baker Mine. Prepared for Du Pont of Canada Exploration Ltd., Vancouver, British Columbia. 18 pp.

(2) Bustard, D. and Associates. 1995. Kemess South Gold-Copper Project, 1994. (Location: BCMELP, Fisheries Branch, PG)

(3) BC Hydro. 1987. Williston Raising Environmental Overview. BC Hydro. Env. Serv. Report No. ES-118. (Location: Pollution Prevention, PG)

(4) Hallam Knight Piesold Ltd. 1993(a). Kemess South Gold-Copper Project, Application Report (Appendix I, Appendices to Volumes III and IV). Prepared for El Condor Resources Ltd. and St. Philips Resources Inc. (Location: Pollution Prevention, PG)

(5) Hallam Knight Piesold Ltd. 1993(b). Kemess South Gold-Copper Project, Application Report (Volume II -- Environmental Setting). Prepared for El condor Resources Ltd. and St. Philips Resources Inc. (Location: Pollution Prevention, PG)

(6) Hallam Knight Piesold Ltd. 1993(c). Kemess South Gold-Copper Project, Application Report (Volume V - Environmental Mitigation and Impact Assessment). Prepared for El Condor Resources Ltd. and St. Philips Resources Inc. (Location: Pollution Prevention, PG)

(7) Hallam Knight Piesold Ltd. 1996. Water Quality Assessment and Objectives for the Kemess South Project, Technical Report. Prepared for Royal Oak Mines, Kirkland, WA. (Location: Pollution Prevention, PG)

(8) Hallam Knight Piesold Ltd. 1998(a). Sediment Deposition Study (Volume I). Prepared for Royal Oaks Mines Inc. and Kemess Mines Inc. (Location: Pollution Prevention, PG)

(9) Hallam Knight Piesold Ltd. 1998(b). Sediment Deposition Study (Volume II Appendices). Prepared for Royal Oaks Mines Inc. and Kemess Mines Inc. (Location: Pollution Prevention, PG)

(10) Health and Welfare Canada. 1981. Report of Mercury Testing and Surveillance Program Activities. Health and Welfare Canada, Medical Services, East Zone. 10 pp. (BCMELP Library, Victoria)

(11) Kangasniemi, B. 1986. Upper Finlay Sub-Basin Water Quality Assessment and Objectives. British Columbia Ministry of Environment, Lands, and Parks, Resource Quality Section, Water Management Branch, Victoria, British Columbia. 48 pp. (Location: BCMELP Library, PG)

(12) Norecol Environmental Consultants Ltd. 1985. Fish Sampling Permit Results. (Location: BCMELP, Fisheries Branch, PG)

(13) Norecol Environmental Consultants Ltd. 1987. Energex Minerals Ltd. AL Project Stage I. Prepared for Energex Minerals Ltd., Vancouver, BC. (Location: Pollution Prevention, PG)

(14) Rescan Environmental Services Ltd. 1991. Stronsay Project Environmental Impact Assessment (Addendum Report). Prepared for Stronsay Corporation, Vancouver, BC. (Location: Pollution Prevention, PG)

(15) Rescan Environmental Services Ltd. 1991. Fish Sampling Permit Results 1989-1991. (Location: BCMELP, Fisheries Branch, PG)

(16) Serum Inc., Norecol Environmental Consultants, and Urban Systems Ltd. 1986. Lawyers Project Stage I Report. (Location: Parks North Library, PG)

(17) Sigma. 1982. Water Resources Studies for Akie Lead-Zinc District 1981: Field Program Data Summary. Prepared for Cyprus Anvil Mining Corporation. (Location: Pollution Prevention, PG)

(18) Truelson, R.L. 1985. Lower Finlay Sub-Basin Water Quality Assessment. British Columbia Ministry of Environment, Lands, and Parks, Resource Quality Section, Water Management Branch, Victoria, British Columbia. 43 pp. (Location: BCMELP Library, PG)

5.7 BASIC RESEARCH

(1) Stamford, M. 1996. Arctic Grayling DNA Project, Peace/Williston Fish and Wildlife Compensation Program. (PWFWCP Library, PG and BCMELP, Fisheries Branch, Victoria)

5.8 FEDERAL FLOW GAUGING STATIONS (WATER SURVEY)

Station No.	Station Name	Latitude (deg min sec)	Longitude (deg min sec)	Established (mm/dd/yy)	Status
07EA007	Akie River near 760-m contour	57 11 28	124 53 56	10/21/80	Active
07EA005	Finlay River u/s Akie River	57 07 49	125 15 03	09/19/78	Active
07EA002	Kwadacha River near Fort Ware	57 26 56	125 38 11	08/27/60	Active

5.9 PROVINCIAL FLOW GAUGING STATIONS (WATER MANAGEMENT BRANCH)

None of the available data fall into this category.

5.10 PROVINCIAL EMS SITES (WATER CHEMISTRY)

EMS Site No.	Site Name	No. Samples	First Sampling Date (mm/dd/yy)
0400347	Adit Creek u/s pit (Baker Mine impact assessment)	6	09/05/84
0400349	Galen Creek south of pond (Baker Mine impact assessment)	5	04/18/83
0400350	Galen Creek 1 km u/s mouth (Baker Mine impact assessment)	3	08/24/82
0400355	Galen Creek 50 m u/s main road crossing (Baker Mine impact assessment)	17	08/24/82
0400385	Adit Creek d/s sewage discharge (Baker Mine impact assessment)	8	08/24/82
0400386	Galen Creek 50 m d/s Adit Creek (Baker Mine impact assessment)	13	08/24/82
0400400	Adit Creek u/s sewage discharge (Baker Mine impact assessment)	6	08/24/82
0400401	Galen Creek southwest pond (Baker Mine impact assessment)	4	08/24/82
0400402	Galen Creek 100 m d/s spring confluence (Baker Mine impact assessment)	6	05/05/84
0400403	Galen Creek @ camp water intake (Baker Mine impact assessment)	13	08/24/82
E104404	Baker Mine sanitary effluent (Baker Mine impact assessment)	1	09/05/84
E206453	Toodoggone River 300 m d/s Attorney Creek (Baker Mine impact assessment)	5	08/22/85
E206454	Toodoggone River 200 m d/s Attorney Creek (Baker Mine impact assessment)	30	08/21/85
E206455	Attorney Creek u/s Serum Project	33	08/02/85
E206456	Attorney Creek 500 m d/s Serum pond	31	08/21/85
E209797	Jock Creek 100 m d/s of Pit (Shasta Mine impact assessment)	1	03/27/90
E210942	Attorney Creek d/s septic outlet. u/s tailings pond	1	08/27/90
E211555	Concentrator pond overflow (Cheni Mine impact assessment)	2	04/27/92

PART B. INGENIKA RIVER SUB-BASIN

6.1 LIST OF NAMED LAKES AND STREAMS

LAKES

1. Delkuz Lake
2. Fredrickson Lake
3. Goldeneye Lake
4. Little Dismal Lake
5. McConnell Lakes
6. Pelly Lake
7. Tucha Lake
8. Tutachi Lake

STREAMS

1. Cutbank Creek
2. Devo Creek
3. Ed Bird Creek
4. Fast Creek
5. Flammeau Creek
6. Fredrickson Creek
7. Ingenika River
8. Jensen Creek
9. La Force Creek
10. McConnell Creek
11. Menard Creek
12. Orion Creek
13. Pelly Creek
14. Ravenal Creek
15. Swannell River
16. Tucha Creek
17. Wrede Creek
18. Zygadene Creek

6.2 INVENTORY PROJECTS

(1) Barrett, D.T., and T.G. Halsey. 1985. Fisheries Resources and Fisheries Potential of Williston Reservoir and its Tributary Streams, Volume 1: Fisheries Resources and Fisheries Potential of Williston Reservoir. BCMELP, Fisheries Technical Circular No. 68. (Location: UBC Woodward Library)
(2) BCMELP. 1981 (a). Ed Bird Lake Data. (Location: Regional Lake Inventory Files, PG)
(3) BCMELP. 1981 (b). Tucha Lake Data. (Location: Regional Lake Inventory Files, PG)
(4) BCMELP. 1982. Fredrickson Lake Data. (Location: Regional Lake Inventory Files, PG)
(5) BCMELP. 1995. Pelly Lake Data. (Location: Regional Lake Inventory Files, PG)
(6) Beak Pacific Inc. (Vancouver, BC). 1998. Fish and Fish Habitat Inventory and Stream Classification: Volume 1, Report; Volume 2, DFO Stream Survey Forms; Volume 3, Original Photos and Negatives; Volume 4, Field Cards; Volume 5, Photo-Ready Copy; Volume 6, Maps. Prepared for Finlay Forest Industries Inc., Mackenzie, BC. (Location: BCMELP Library, PG)
(7) Bruce, P., and P.J. Starr. 1985. Fisheries Resources and Fisheries Potential of Williston Reservoir and its Tributary Streams, Volume 2: Fisheries Resources Potential of Williston Lake Tributaries, a Preliminary Overview. BCMELP, Fisheries Technical Circular No. 69. (Location: BCMELP Library, PG and UNBC Microform 90-06966)
(8) McLean, A.R., and B.G. Blackman. 1991. Williston Watershed Aerial Kokanee *(Oncorhynchus nerka)* Spawning Survey 1990. PWFWCP, Report No. 62. 10 pp. (+Appendices). (Location: PWFWCP Library, PG)
(9) Retzer, C.M. 1989. Spawning and Rearing Habitat Assessment of Williston Reservoir Tributaries. PWFWCP, Report No. 56. 35 pp. (Location: PWFWCP Library, PG)
(10) Stoddard, E.M. (EMS Aquatic Services). 1996. Northeastern British Columbia Sportfish, Rare and Endangered Fish Species Distribution Maps (Note: this reference includes information on more than 150 water bodies in the Williston Reservoir Watershed). (BCMELP, Fisheries Branch, Victoria)

6.3 PLANNING REPORTS

(1) BCMELP. 1983(a). Finlay-Omineca Environmental Plan: Terms of Reference. (Location: BCMELP Library, PG)
(2) BCMELP. 1983(b). Finlay-Omineca Environmental Plan: Technical Report. (Location: BCMELP Library, Victoria)
(3) BCMELP. 1989. Finlay-Omineca Strategic Environmental Plan: Plan Summary. (Location: BCMELP Library, PG)
(4) Blackman, B.G. (in prep.). Summary of Fisheries Activities: Projects Initiated in 1988. In Preparation for Submission to PWFWCP (Location: PWFWCP office, PG)
(5) Blackman, B.G., D. Jesson, D. Ableson, and T. Down. 1990. Williston Lake Fisheries Compensation Program Management Plan. PWFWCP, Report No. 58. 38 pp. (Location: PWFWCP Library, PG)

(6) Blackman, B.G. April 1998 (DRAFT). A Strategic Plan for the Conservation and Restoration of Arctic Grayling in the Williston Reservoir Watershed. 20 pp. (Location: PWFWCP office, PG) ✓

(7) Bruce, P.G., and PJ. Starr. 1985. Photodocumentation of Williston Lake Tributaries for the 1975 Assessment of Fisheries Resource Potential. (Location: BCMELP Library, FSJ)

(8) Langston, A.R. 1992. Stream Fertilization Feasibility Study 1991 Data Report. PWFWCP, Report No. 66. 56 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(9) Northcote, T.G. 1993. A Review of Management and Enhancement Options for the Arctic Grayling *(Thymallus arcticus)* with Special Reference to the Williston Reservoir Watershed in British Columbia. PWFWCP, Report No. 78. 69 pp. (Location: PWFWCP Library, PG and UNBC Stacks) ✓

(10) Wood, M.D., and B.G. Blackman. 1998. Peace/Williston Fish and Wildlife Compensation Program Annual Report 1997/98. PWFWCP, Report No. 181. 17 pp. (Location: PWFWCP Library, PG) ✓

6.4 ENHANCEMENT PROJECTS

None of the available data fall into this category.

6.5 ENHANCEMENT EVALUATIONS

None of the available data fall into this category.

6.6 ENVIRONMENTAL IMPACT STUDIES, POLLUTANTS AND CONTAMINANTS

None of the available data fall into this category.

6.7 BASIC RESEARCH

(1) Stamford, M. 1996. Arctic Grayling DNA Project, Peace/Williston Fish and Wildlife Compensation Program. (PWFWCP Library, PG and BCMELP, Fisheries Branch, Victoria) ✓

6.8 FEDERAL FLOW GAUGING STATIONS (WATER SURVEY)

Station No.	Station Name	Latitude (deg min sec)	Longitude (deg min sec)	Established (mm/dd/yy)	Status
07EA004	Ingenika River u/s Swannel River	56 43 49	125 06 10	08/23/77	Active

6.9 PROVINCIAL FLOW GAUGING STATIONS (WATER MANAGEMENT BRANCH)

None of the available data fall into this category.

6.10 PROVINCIAL EMS SITES (WATER CHEMISTRY)

None of the available data fall into this category.

PART C. OSPIKA RIVER SUB-BASIN

7.1 LIST OF NAMED LAKES AND STREAMS

LAKES

No named lakes observed on 1:250.000 maps or forestry road maps

STREAMS

1. Aley Creek
2. Balden Creek
3. Denkman Creek
4. Gauvreau Creek
5. McCusker Creek
6. Ospika Creek
7. Stevenson Creek

7.2 INVENTORY PROJECTS

(1) Barrett, D.T., and T.G. Halsey. 1985. Fisheries Resources and Fisheries Potential of Williston Reservoir and its Tributary Streams, Volume 1: Fisheries Resources and Fisheries Potential of Williston Reservoir. BCMELP, Fisheries Technical Circular No. 68. (Location: UBC Woodward Library)

(2) Bruce, P., and PJ. Starr. 1985. Fisheries Resources and Fisheries Potential of Williston Reservoir and its Tributary Streams, Volume 2: Fisheries Resources Potential of Williston Lake Tributaries, a Preliminary Overview. BCMELP, Fisheries Technical Circular No. 69. (Location: BCMELP Library, PG and UNBC Microform 90-06966)

(3) EDI Environmental Dynamics Inc. 1997. Video Surveys of the Ospika, Osilinka, Parnsip, Hominka and Messinka Rivers and Associated Mapsheets (approximate title). Prepared for BCMELP and PWFWCP. (Location: PWFWCP files, PG)

(4) Stoddard, E.M. (EMS Aquatic Services). 1996. Northeastern British Columbia Sportfish, Rare and Endangered Fish Species Distribution Maps (Note: this reference includes information on more than 1 50 water bodies in the Williston Reservoir Watershed). (BCMELP, Fisheries Branch, Victoria)

(5) Waberski Darrow Survey Group (Fort St. John, BC). 1997. Slocan Group, Stream Inventory, 1997 (incl. full set of 1:20,000 maps and a 1:250,000 overview map). (Location: BCMELP, Fisheries Branch, PG)

7.3 PLANNING REPORTS

(1) BCMELP. 1983(a). Finlay-Omineca Environmental Plan: Terms of Reference. (Location: BCMELP Library, PG)

(2) BCMELP. 1983(b). Finlay-Omineca Environmental Plan: Technical Report. (Location: BCMELP Library, Victoria)

(3) BCMELP. 1989. Finlay-Omineca Strategic Environmental Plan: Plan Summary. (Location: BCMELP Library, PG)

(4) Blackman, B.G. (in prep.). Summary of Fisheries Activities: Projects Initiated in 1988. In Preparation for Submission to PWFWCP (Location: PWFWCP office, PG)

(5) Blackman, B.G., D. Jesson, D. Ableson, and T. Down. 1990. Williston Lake Fisheries Compensation Program Management Plan. PWFWCP, Report No. 58. 38 pp. (Location: PWFWCP Library, PG)

(6) Blackman, B.G. April 1998 (DRAFT). A Strategic Plan for the Conservation and Restoration of Arctic Grayling in the Williston Reservoir Watershed. 20 pp. (Location: PWFWCP office, PG)

(7) Bruce, P.G., and PJ. Starr. 1985. Photodocumentation of Williston Lake Tributaries for the 1975 Assessment of Fisheries Resource Potential. (Location: BCMELP Library, FSJ)

(8) Langston, A.R. 1992. Stream Fertilization Feasibility Study 1991 Data Report. PWFWCP, Report No. 66. 56 pp. (+Appendices). (Location: PWFWCP Library, PG)

(9) Northcote, T.G. 1993. A Review of Management and Enhancement Options for the Arctic Grayling *(Thymallus arcticus)* with Special Reference to the Williston

Reservoir Watershed in British Columbia. PWFWCP, Report No. 78. 69 pp. (Location: PWFWCP Library, PG and UNBC Stacks)

(10) Wood, M.D., and B.G. Blackman. 1998. Peace/Williston Fish and Wildlife Compensation Program Annual Report 1997/98. PWFWCP, Report No. 181. 17 pp. (Location: PWFWCP Library, PG)

7.4 ENHANCEMENT PROJECTS

None of the available data fall into this category.

7.5 ENHANCEMENT EVALUATIONS

None of the available data fall into this category.

7.6 ENVIRONMENTAL IMPACT STUDIES, POLLUTANTS AND CONTAMINANTS

None of the available data fall into this category.

7.7 BASIC RESEARCH

(1) Stamford, M. 1996. Arctic Grayling DNA Project, Peace/Williston Fish and Wildlife Compensation Program. (PWFWCP Library, PG and BCMELP, Fisheries Branch, Victoria)

7.8 FEDERAL FLOW GAUGING STATIONS (WATER SURVEY)

Station No.	Station Name	Latitude (deg min sec)	Longitude (deg min sec)	Established (mm/dd/yy)	Status
07EB002	Ospika River U/S Aley Creek	56 31 42	123 56 00	01/01/81	Active

7.9 PROVINCIAL FLOW GAUGING STATIONS (WATER MANAGEMENT BRANCH)

None of the available data fall into this category.

7.10 PROVINCIAL EMS SITES (WATER CHEMISTRY)

None of the available data fall into this category.

PART D. WILLISTON RESERVOIR RESIDUAL

8.1 LIST OF NAMED LAKES AND STREAMS

LAKES

1. Blackwater Lake
2. Bluff Hill Lakes
3. Buth Lake
4. Canty Lake
5. Christina Lake
6. Crash Lake
7. Dina Lakes
8. Ed Bird Lake
9. Gantahaz Lake
10. Gataiga Lake
11. Grayling Lake
12. Head Lake
13. Heather Lake
14. Lafferty Lake
15. Lake D11,000
16. Lignite Lake
17. Lions Lakes
18. Lost Lake
19. Maybeline Lake
20. Modeste Lake
21. Morfee Lakes
22. Muscovite Lakes
23. Pothole Lakes
24. Shoal Lake
25. Tobin Lake
26. Tsedeitla Lake
27. White Lake
28. Williston Reservoir

STREAMS

1. Andy Creek
2. Bevel Creek
3. Blackwater Creek
4. Bob Fry Creek
5. Bruins Creek
6. Buth Creek
7. Canty Creek
8. Chichouyenily Creek
9. Chowika Creek
10. Chunamon Creek
11. Collins Creek
12. Cut Thumb Creek
13. Dastaiga Creek
14. Davis Creek
15. Dors'at Creek
16. Eklund Creek
17. Factor Ross Creek
18. Flood Creek
19. Frank Creek
20. Fries Creek
21. Gagnon Creek
22. Gataiga Creek
23. Inati Creek
24. Izaac Creek
25. Isola Creek
26. Ivon Creek
27. Kimta Creek
28. Lafferty Creek
29. Lamonti Creek
30. Lat lah Creek
31. Lignite Creek
32. Lorimer Creek
33. Lost Cabin Creek
34. Mica Creek
35. Mischinsinlika Creek
36. Morfee Creek
37. Mugaha Creek
38. Ole Creek
39. Patsuk Creek

STREAMS (CONT.)

40. Police Creek
41. Pete Toy Creek
42. Rubyred Creek
43. Scott Creek
44. Scovil Creek
45. Shovel Creek
46. Six Mile Creek
47. Strandberg Creek
48. Teare Creek
49. Tony Creek
50. Tsedeka Creek
51. Tutu Creek
52. Weston Creek
53. Yahwa Creek

8.2 INVENTORY PROJECTS

(1) Barrett, D.T., and T.G. Halsey. 1985. Fisheries Resources and Fisheries Potential of Williston Reservoir and its Tributary Streams, Volume 1: Fisheries Resources and Fisheries Potential of Williston Reservoir. BCMELP, Fisheries Technical Circular No. 68. (Location: UBC Woodward Library) ✓

(2) BC Hydro and PWFWCP. 1991. Williston Fisheries Compensation Study: Limnology and Water Quality Program - 1988. BC Hydro Env. Serv, and PWFWCP Draft Report. (Location: Pollution Prevention, PG) ✓

(3) BCMELP. 1981. Tobin Lake Data. (Location: Regional Lake Inventory Files, PG)

(4) BCMELP. 1986. Aerial Creel Survey of Selected Waters in the South Peace River Area of British Columbia, 1985. (Location: BCMELP Library, FSJ)

(5) BCMELP, BC Hydro, and PWFWCP. 1988 (DRAFT). Williston Lake Gill Netting Studies. (Location: BCMELP Library, FSJ) ✓

(6) BCMELP, BC Hydro, and PWFWCP. 1991 (DRAFT). Williston Reservoir 1989 Creel Report. (Location: BCMELP Library, FSJ) ✓

(7) BC Research. 1974. Limnological Studies on Williston Lake During Fall, 1974. BC Research Project No. 1635 (Location: Regional Lake Inventory Files, PG)

(8) BC Research. 1975. Limnological Studies of Williston Lake During Summer and Fall. BC Research, Vancouver, BC. (Location: Regional Lake Inventory Files, PG)

(9) Beak Pacific Inc. (Vancouver, BC). 1998. Fish and Fish Habitat Inventory and Stream Classification: Volume 1, Report; Volume 2, DFO Stream Survey Forms; Volume 3, Original Photos and Negatives; Volume 4, Field Cards; Volume 5, Photo-Ready Copy; Volume 6, Maps. Prepared for Finlay Forest Industries Inc., Mackenzie, BC. (Location: BCMELP Library, PG)

(10) Bruce, P., and P.J. Starr. 1985. Fisheries Resources and Fisheries Potential of Williston Reservoir and its Tributary Streams, Volume 2: Fisheries Resources Potential of Williston Lake Tributaries, a Preliminary Overview. BCMELP, Fisheries Technical Circular No. 69. (Location: BCMELP Library, PG and UNBC Microform 90-06966) ✓

(11) Fleming, J.O., S. McAdam, and R. Pulfer. 1991. Williston Lake Limnological Information: Limnology and Water Quality Program 1988 (Pre-Draft Copy). Prepared for the PWFWCP. (Location: BCMELP Library, PG)

(12) Hammond, R.J. 1985. WAC Bennett Dam (Williston Lake) Ice Fishery, 1985. BCMELP, Fish and Wildlife Branch, Prince George. (Location: BCMELP Library, PG)

(13) Hunter, M. 1997. A Reconnaissance Survey of Lafferty Lake. PWFWCP, Report No. 161. 26 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(14) Jesson, D.A. 1989. A Reconnaissance Survey of Pothole Lake (#1). PWFWCP, Report No. 92. 19 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(15) Jesson, D.A. 1990(a). A Reconnaissance Survey of Canty Lake. PWFWCP, Report No. 87. 22 pp. (+Appendices). (Location: PWFWCP Library, PG)

(16) Jesson, D.A. 1990(a). A Reconnaissance Survey of Upper Lions Lake. PWFWCP, Report No. 96. 20 pp (+Appendices). (Location: PWFWCP Library, PG) ✓

(17) Jesson, D.A. 1991. A Reconnaissance Survey of Blackwater Lake. PWFWCP, Report No. 98. 22 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(18) Johnson, R.L., and I. Yesaki. 1989. Hydroacoustic Surveys of Williston Reservoir (June, September, and October 1998). PWFWCP, Report No. 57. 35 pp. (+Appendices A-G). (Location: PWFWCP Library, PG) ✓

(19) Langston, A.R. 1993. A Reconnaissance Survey of Dina Lake (#6). PWFWCP, Report No. 113. 23 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(20) Mathias, K. 1997(a). A Reconnaissance Survey of Unnamed Lake (Bluff Hill Lake #4). PWFWCP, Report No. 157. 26 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(21) Mathias, K. 1997(b). A Reconnaissance Survey of Unnamed Lake (Bluff Hill Lake #2). PWFWCP, Report No. 158. 26 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(22) Mathias, K. 1997(c). A Reconnaissance Survey of Unnamed Lake (White Lake). PWFWCP, Report No. 159. 23 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(23) Mathias, K. 1997(d). A Reconnaissance Survey of Unnamed Lake (Lake D11,000). PWFWCP, Report No. 163. 19 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(24) Mathias, K. 1997(e). A Reconnaissance Survey of Unnamed Lake (Crash Lake). PWFWCP, Report No. 164. 25 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(25) McLean, A.R. 1989. A Reconnaissance Survey of Heather Lake. PWFWCP, Report No. 90. 21 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(26) McLean, A.R. 1990. A Reconnaissance Survey of Tobin Lake. PWFWCP, Report No. 95. 21 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(27) McLean, A.R. 1991 (a). A Reconnaissance Survey of Dina Lake (#5). PWFWCP, Report No. 104. 25 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(28) McLean, A.R. 1991 (b). A Reconnaissance Survey of Dina Lake (#7). PWFWCP, Report No. 105. 21 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(29) McLean, A.R. 1991 (c). A Reconnaissance Survey of Gataiga Lake. PWFWCP, Report No. 106. 25 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(30) McLean, A.R. 1991 (d). A Reconnaissance Survey of Shoal Lake (#2). PWFWCP, Report No. 109. 21 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(31) McLean, A.R. 1992. A Reconnaissance Survey of Dina Lake (#3). PWFWCP, Report No. 111. 22 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(32) McLean, A.R. 1993. A Reconnaissance Survey of Lost Lake. PWFWCP, Report No. 114. 20 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(33) McLean, A.R., and B.G. Blackman. 1991. Williston Watershed Aerial Kokanee *(Oncorhynchus nerka)* Spawning Survey 1990. PWFWCP, Report No. 62. 10 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(34) McLean, A.R., and D.A. Jesson. 1990. A Reconnaissance Survey of Grayling Lake. PWFWCP, Report No. 101. 26 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(35) Philip, D.F. 1988. A Reconnaissance Survey of Lions Lake. (Location: Regional Lake Inventory Files, PG)

(36) Retzer, C.M. 1989. Spawning and Rearing Habitat Assessment of Williston Reservoir Tributaries. PWFWCP, Report No. 56. 35 pp. (Location: PWFWCP Library, PG) ✓

(37) R.L. & L. Environmental Services Ltd. 1996. Fisheries and Fish Habitat Assessment of Streams along the Proposed Pipeline Route Between Taylor, BC, and Belloy, AB, 1996 (some information on Williston Lake and Eight Mile Creek areas). (Location: BCMELP, Fisheries Branch, FSJ)

(38) Slaney, T. 1992. Bull Trout *(Salvelinus confluentus)* survey in Scott Creek and Weston Creeks Conducted by the Lheit-Lit'en Nation August to September, 1991. PWFWCP, Report No. 64. 24 pp. (+Appendices). (Location: PWFWCP Library, PG)

(39) Stoddard, E.M. (EMS Aquatic Services). 1996. Northeastern British Columbia Sportfish, Rare and Endangered Fish Species Distribution Maps (Note: this reference includes information on more than 150 water bodies in the Williston Reservoir Watershed). (BCMELP, Fisheries Branch, Victoria)

(40) Terra Pro GPS Survey Ltd. 1998. Slocan Group, Mackenzie Operation, 1997 Reconnaissance-Level Fish Habitat Inventory, Blackwater/Philip-Nation Operating Area (incl. a full set of 1:20,000 maps and a 1:250,000 overview map). (Location: BCMELP, Fisheries Branch, PG)

(41) Waberski Darrow Survey Group (Fort St. John, BC). 1997. Slocan Group, Stream Inventory, 1997 (incl. full set of 1:20,000 maps and a 1:250,000 overview map). (Location: BCMELP, Fisheries Branch, PG)

8.3 PLANNING REPORTS

(1) BCMELP. 1983(a). Finlay-Omineca Environmental Plan: Terms of Reference. (Location: BCMELP Library, PG)

(2) BCMELP. 1983(b). Finlay-Omineca Environmental Plan: Technical Report. (Location: BCMELP Library, Victoria)

(3) BCMELP. 1989. Finlay-Omineca Strategic Environmental Plan: Plan Summary. (Location: BCMELP Library, PG)

(4) Blackman, B.G. (in prep.). Summary of Fisheries Activities: Projects Initiated in 1988. In Preparation for Submission to PWFWCP (Location: PWFWCP office, PG)

(5) Blackman, B.G., D. Jesson, D. Ableson, and T. Down. 1990. Williston Lake Fisheries Compensation Program Management Plan. PWFWCP, Report No. 58. 38 pp. (Location: PWFWCP Library, PG)

(6) Blackman, B.G. April 1998 (DRAFT). A Strategic Plan for the Conservation and Restoration of Arctic Grayling in the Williston Reservoir Watershed. 20 pp. (Location: PWFWCP office, PG)

(7) Bruce, P.G., and PJ. Starr. 1985. Photodocumentation of Williston Lake Tributaries for the 1975 Assessment of Fisheries Resource Potential. (Location: BCMELP Library, FSJ)

(8) G3 Consulting Ltd. 1994. Environmental Effects Monitoring (EEM), Williston Reservoir, Study Design Report. Prepared for Finlay Forest Industries Inc. and Fletcher Challenge Canada Ltd., Mackenzie Pulp. 93 pp. (+Appendices) (Location: Pollution Prevention, PG)

(9) Fielden, R.J., T. Slaney, and A.W. Wood. 1993. Embayment Enhancement Feasibility Study Williston Reservoir. PWFWCP, Report No. 69. 28 pp. (+Appendices). (Location: PWFWCP Library, PG)

(10) Langston, A.R. 1992. Stream Fertilization Feasibility Study 1991 Data Report. PWFWCP, Report No. 66. 56 pp. (+Appendices). (Location: PWFWCP Library, PG)

(11) Langston, A.R., and B.G. Blackman. 1993. Fisheries Resources and Enhancement Potentials of Selected Tributaries of the Williston Reservoir, Volume II. PWFWCP, Report No. 70. 185 pp. (+Appendices). (Location: PWFWCP Library, PG)

(12) Langston, A.R., A.R. McLean, and B.G. Blackman. 1991. Small Lake Inventory and Enhancement Program Preliminary Progress and Enhancement Report on 1991 Field Activities. PWFWCP, Report No. 61. 20 pp. (Location: PWFWCP Library, PG)

(13) McLean, A.R. 1991 (a). Fish Habitat Enhancement Potential and Stocking Assessment of Dina Lake (#1). PWFWCP, Report No. 117. 13 pp. (+Appendices). (Location: PWFWCP Library, PG)

(14) McLean, A.R. 1991 (b). Fish Habitat Enhancement Potential and Stocking Assessment of Gantahaz Lake. PWFWCP, Report No. 119. 11 pp. (+Appendices). (Location: PWFWCP Library, PG)

(15) McLean, A.R. 1991 (c). Fish Habitat Enhancement Potential and Stocking Assessment of Morfee Lake. PWFWCP, Report No. 122. 14 pp. (+Appendices). (Location: PWFWCP Library, PG)

(16) McLean, A.R., and A.R. Langston. 1991. Fish Habitat Enhancement Potential and Stocking Assessment of Dina Lake (#2). PWFWCP, Report No. 118. 13 pp. (+Appendices). (Location: PWFWCP Library, PG)

(17) McLean, A.R., and A.R. Langston. 1992. Small Lake Program Summary 1989-1992. PWFWCP, Report No. 65. 19 pp. (Location: PWFWCP Library, PG)

(18) McLean, A.R., and A.R. Langston. 1993. Current Status and Potential Enhancement Projects of Selected Small Lakes in the Omineca/Peace Region. PWFWCP, Report No. 68. 26 pp. (Location: PWFWCP Library, PG)

(19) Northcote, T.G. 1993. A Review of Management and Enhancement Options for the Arctic Grayling *(Thymallus arcticus)* with Special Reference to the Williston Reservoir Watershed in British Columbia. PWFWCP, Report No. 78. 69 pp. (Location: PWFWCP Library, PG and UNBC Stacks)

(20) Stockner, J.G. 1998. Williston Reservoir: With Technical Comment on Current State of Aquatic Habitat (Nutrients, Biological Production), Factors Limiting Biological Production, and Recommendations for Monitoring. Prepared by Eco-Logic Ltd., West Vancouver, British Columbia, for BC Hydro and the PWFWCP Technical Committee. 7 pp. (Location: PWFWCP Library, PG)

(21) Wood, M.D., and B.G. Blackman. 1998. Peace/Williston Fish and Wildlife Compensation Program Annual Report 1997/98. PWFWCP, Report No. 181. 17 pp. (Location: PWFWCP Library, PG)

(22) Zemlak, R.J., and A.R. Langston. 1994. Fish Habitat Enhancement Potential and Stocking Assessment of Canty Lake. PWFWCP, Report No. 124. 13 pp. (+Appendices). (Location: PWFWCP Library, PG)

8.4 ENHANCEMENT PROJECTS

(1) Langston, A.R. 1993. Creel Survey of the Winter 1992/93 Gantahaz Lake Ice Fishery. PWFWCP, Report No. 71. 15 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(2) Langston, A.R., and R.J. Zemlak. 1998. Williston Reservoir Stocked Kokanee Spawning Assessment 1994. PWFWCP, Report No. 176. 13 pp. (Location: PWFWCP Library, PG) ✓

8.5 ENHANCEMENT EVALUATIONS

(1) Langston, A.R. 1993. Creel Survey of the Winter 1992/93 Gantahaz Lake Ice Fishery. PWFWCP, Report No. 71. 15 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(2) Langston, A.R., and B.G. Blackman. 1993. Fisheries Resources and Enhancement Potentials of Selected Tributaries of the Williston Reservoir, Volume II. PWFWCP, Report No. 70. 185 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(3) Langston, A.R., R.J. Zemlak. 1998. Williston Reservoir Stocked Kokanee Spawing Assessment 1994. PWFWCP, Report No. 176. 13 pp. (Location: PWFWCP Library, PG) ✓

8.6 ENVIRONMENTAL IMPACT STUDIES, POLLUTANTS AND CONTAMINANTS

(1) BC Research. 1982. Analysis of Water Quality and Sediments in the Parsnip Reach of Williston Lake Relative to Discharge from Kraft Pulp Mill Effluent at Mackenzie. (Location: BCMELP Library, PG)

(2) Blackman, B.G. 1992 (DRAFT). Fisheries Resources of Williston Reservoir Twenty Years After Impoundment. (Location: BCMELP Library, FSJ) ✓

(3) Carmichael, N.B. 1987. Environmental Impact Assessment of Chichouyenily Arm of Williston Reservoir Near Mackenzie, BC. British Columbia Ministry of Environment, Lands and Parks, Waste Management Branch, Prince George. (Location: BCMELP Library, PG)

(4) Fletcher Challenge Canada Ltd. 1990. Dioxin and Furan Monitoring Program for Williston Lake. Fletcher Challenge Canada Ltd. (Location: BCMELP Library, PG)

(5) G3 Consulting Ltd. 1994(a). Environmental Effects Monitoring (EEM), Williston Reservoir, Pre-Design Report (Volume 1). Prepared for Finlay Forest Industries Inc. and Fletcher Challenge Canada Ltd., Mackenzie Pulp. (Location: Pollution Prevention, PG)

(6) G3 Consulting Ltd. 1994(b). Environmental Effects Monitoring (EEM), Williston Reservoir, Pre-Design Report (Volume 2). Prepared for Finlay Forest Industries Inc. and Fletcher Challenge Canada Ltd., Mackenzie Pulp. (Location: Pollution Prevention, PG)

(7) G3 Consulting Ltd. 1996(a). Environmental Effects Monitoring (EEM), Williston Reservoir, Final Report, Draft (Volume 1). Prepared for Finlay Forest Industries

Inc. and Fletcher Challenge Canada Ltd., Mackenzie Pulp. (Location: Pollution Prevention, PG)

(8) G3 Consulting Ltd. 1996(b). Environmental Effects Monitoring (EEM), Williston Reservoir, Final Report (Volume 2). Prepared for Finlay Forest Industries Inc. and Fletcher Challenge Canada Ltd., Mackenzie Pulp. (Location: Pollution Prevention, PG)

(9) G3 Consulting Ltd. 1996(c). Environmental Effects Monitoring (EEM), Williston Reservoir, Final Report (Appendix). Prepared for Finlay Forest Industries Inc. and Fletcher Challenge Canada Ltd., Mackenzie Pulp. (Location: Pollution Prevention, PG)

(10) Mah, F.T.S., D.D. MacDonald, S.W. Sheehan, T.M. Tuominen and D. Valiela. 1989. Dioxins and Furans in Sediment and Fish from the Vicinity of Ten Inland Pulp Mills in British Columbia. (Location: BCMELP Library, Victoria)

(11) Norecol Environmental Consultants Ltd. 1984. Analysis of Bottom Sediment Samples in the Parsnip Reach of Williston Lake. Norecol Environmental Consultants Ltd. (Location: BCMELP Library, PG)

(12) Norecol Environmental Consultants Ltd. 1990. Water Quality in the Mixing Zone Around Finlay Forest Industries Outfall, Williston Lake, BC. Norecol Environmental Consultants Ltd. (Location: BCMELP Library, PG)

(13) Norecol Environmental Consultants Ltd. 1992. Dioxin and Furan Levels in Fish, Water and Sediments of Williston Lake and the Upper Peace River. Norecol Environmental Consultants Ltd. (Location: BCMELP Library, PG and BCMELP Library, FSJ)

(14) Watson, T. 1992. Evaluation of Mercury Concentration in Selected Environmental Receptors in the Williston Lake and Peace River Areas of British Columbia. (Location: BCMELP Library, PG)

8.7 BASIC RESEARCH

(1) Hirst, S.M. 1990. A Review of Inland Fishery Resources in BC River Systems Regulated by Hydroelectric Development. (Location: BCMELP, Fisheries Branch, FSJ)

(2) Lee, Y.J., and E. Kvarv. 1983. Assessment of log debris using LANDSAT MSS data at Williston Lake, British Columbia. Canadian Journal of Remote Sensing 9: 111-124. (Location: UBC, Main Library (Science and Engineering))

(3) Nelson, J.S. 1974. Hybridization between *Catostomus commersoni* (white sucker) and *Catostomus macrocheilus* (largescale sucker) in Williston Reservoir, British Columbia, with notes on other fishes. Syesis 7: 187-194. (Location: UNBC Periodicals)

(4) Stamford, M. 1996. Arctic Grayling DNA Project, Peace/Williston Fish and Wildlife Compensation Program. (PWFWCP Library, PG and BCMELP, Fisheries Branch, Victoria)

8.8 FEDERAL FLOW GAUGING STATIONS (WATER SURVEY)

Station No.*	Station Name	Latitude (deg min sec)	Longitude (deg min sec)	Established (mm/dd/yy)	Status
07EF003	Williston Lake @ Schooler Creek	56 06 20	122 43 57	10/22/80	Active
07EF002	Williston Lake @ Lost Cabin Creek	56 02 59	123 44 44	07/06/76	Active

* Both stations gauge Williston Reservoir's surface elevation (water level)

8.9 PROVINCIAL FLOW GAUGING STATIONS (WATER MANAGEMENT BRANCH)

None of the available data fall into this category.

8.10 PROVINCIAL EMS SITES (WATER CHEMISTRY)

EMS Site No.	Site Name	No. Samples	First Sampling Date (mm/dd/yy)
0400964	Williston Reservoir 1.5 km South of Sheppard - Center	10	05/28/85
0400979	Williston Reservoir FFI Outfall - East	5	05/23/85
E234186	Williston Reservoir in Peace Reach, North of Point Creek	3	10/19/98

PART E. MESILINKA RIVER SUB-BASIN

9.1 LIST OF NAMED LAKES AND STREAMS

LAKES

1. Aiken Lake
2. Black Pine Lake
3. Carina Lake
4. Tomias Lake
5. Tutizzi Lake

STREAMS

1. Abraham Creek
2. Croyden Creek
3. Etschitka Creek
4. Hornway Creek
5. Klakring Creek
6. Kliyul Creek
7. Lay Creek
8. Matetlo Creek
9. Mesilinka River
10. Moccasin Creek
11. Polaris Creek
12. Prospector Creek
13. Tutizika Creek

9.2 INVENTORY PROJECTS

(1) Barrett, D.T., and T.G. Halsey. 1985. Fisheries Resources and Fisheries Potential of Williston Reservoir and its Tributary Streams, Volume 1: Fisheries Resources and Fisheries Potential of Williston Reservoir. BCMELP, Fisheries Technical Circular No. 68. (Location: UBC Woodward Library)

(2) BCMELP. 1981. Corina Lake Data. (Location: Regional Lake Inventory Files, PG)

(3) BCMELP. 1995. Tomias Lake Data. (Location: Regional Lake Inventory Files, PG)

(4) Beak Pacific Inc. (Vancouver, BC). 1998. Fish and Fish Habitat Inventory and Stream Classification: Volume 1, Report; Volume 2, DFO Stream Survey Forms; Volume 3, Original Photos and Negatives; Volume 4, Field Cards; Volume 5, Photo-Ready Copy; Volume 6, Maps. Prepared for Finlay Forest Industries Inc., Mackenzie, BC. (Location: BCMELP Library, PG)

(5) Bruce, P., and PJ. Starr. 1985. Fisheries Resources and Fisheries Potential of Williston Reservoir and its Tributary Streams, Volume 2: Fisheries Resources Potential of Williston Lake Tributaries, a Preliminary Overview. BCMELP, Fisheries Technical Circular No. 69. (Location: BCMELP Library, PG and UNBC Microform 90-06966)

(6) Coombes, D.M.V. 1953. A Reconnaissance Survey of Tutizzi Lake. (Location: Regional Lake Inventory Files, PG)

(7) Coombes, D.M.V. 1983. A Reconnaissance Survey of Aiken Lake. (Location: Regional Lake Inventory Files, PG)

(8) ECL Environwest Consultants Ltd. 1997. Fish Habitat Inventory of the Mesilinka River and Tributaries: Volume 1, Report, Volume 2, Camera-Ready Copy; Volume 3, Maps. Prepared for Forest Renewal British Columbia and PWFWCP. (Location: BCMELP Library, PG)

(9) ECL Envirowest Consultants Ltd. 1998. Fish and Fish Habitat Inventory of the Mesilinka River and Tributaries: Volume 1, Report; Volume 2, Original Photos and Negatives; Volume 3, Camera-Ready Copy; and Volume 4, Maps. Prepared for BCMELP and PWFWCP (funded by Forest Renewal British Columbia). (Location: BCMELP Library, PG)

(10) Langston, A.R. 1993(a). Water Temperatures of the Nation and Mesilinka River Systems 1992. PWFWCP, Report No. 74. 29 pp. (Location: PWFWCP Library, PG)

(11) Langston, A.R. 1993(b). Water Temperatures of the Nation and Mesilinka River Systems 1993. PWFWCP, Report No. 75. 56 pp. (Location: PWFWCP Library, PG)

(12) Langston, A.R. 1995. Water Temperatures of the Nation and Mesilinka River Systems 1995. PWFWCP, Report No. 83. 22 pp. (Location: PWFWCP Library, PG)

(13) Langston, A.R. 1996. Water Temperatures of the Nation and Mesilinka River Systems 1996. PWFWCP, Report No. 84. 14 pp. (Location: PWFWCP Library, PG)

(14) Langston, A.R., and R.J. Zemlak. 1994. Water Temperatures of the Nation and Mesilinka River System 1994. PWFWCP, Report No. 79. 22 pp. (Location: PWFWCP Library, PG)

(15) Langston, A.R., and R.J. Zemlak. 1998. Williston Reservoir Stocked Kokanee Spawning Assessment, 1994. PWFWCP Report No. 176. 13 pp. (+Appendices). (Location: PWFWCP Library, PG)

(16) McLean, A.R., and B.G. Blackman. 1991. Williston Watershed Aerial Kokanee *(Oncorhynchus nerka)* Spawning Survey 1990. PWFWCP, Report No. 62. 10 pp. (+Appendices). (Location: PWFWCP Library, PG)

(17) Retzer, C.M. 1989. Spawning and Rearing Habitat Assessment of Williston Reservoir Tributaries. PWFWCP, Report No. 56. 35 pp. (Location: PWFWCP Library, PG)

(18) Stoddard, E.M. (EMS Aquatic Services). 1996. Northeastern British Columbia Sportfish, Rare and Endangered Fish Species Distribution Maps (Note: this reference includes information on more than 150 water bodies in the Williston Reservoir Watershed). (BCMELP, Fisheries Branch, Victoria)

(19) Terra Pro GPS Survey Ltd. (Fort St. John, BC). 1996 GPS/Stream Video Surveys: (1) Parsnip River Tributaries; (2) Mesilinka River and Tributaries; and (3) Osilinka River Tributaries (incl, full set of 1:20,000 maps and a 1:250,000 overview map). Prepared for BCMELP, Prince George Region and PWFWCP. (Location: BCMELP, Fisheries Branch, PG)

(20) Zemlak, R.J., and A.R. Langston. 1997. Water Temperatures of the Nation and Mesilinka River Systems 1997. PWFWCP, Report No. 127. 16 pp. (Location: PWFWCP Library, PG)

9.3 PLANNING REPORTS

(1) BCMELP. 1983(a). Finlay-Omineca Environmental Plan: Terms of Reference. (Location: BCMELP Library, PG)

(2) BCMELP. 1983(b). Finlay-Omineca Environmental Plan: Technical Report. (Location: BCMELP Library, Victoria)

(3) BCMELP. 1989. Finlay-Omineca Strategic Environmental Plan: Plan Summary. (Location: BCMELP Library, PG)

(4) Blackman, B.G. (in prep.). Summary of Fisheries Activities: Projects Initiated in 1988. In Preparation for Submission to PWFWCP (Location: PWFWCP office, PG)

(5) Blackman, B.G., D. Jesson, D. Ableson, and T. Down. 1990. Williston Lake Fisheries Compensation Program Management Plan. PWFWCP, Report No. 58. 38 pp. (Location: PWFWCP Library, PG)

(6) Blackman, B.G. April 1998 (DRAFT). A Strategic Plan for the Conservation and Restoration of Arctic Grayling in the Williston Reservoir Watershed. 20 pp. (Location: PWFWCP office, PG)

(7) Bruce, P.G., and PJ. Starr. 1985. Photodocumentation of Williston Lake Tributaries for the 1975 Assessment of Fisheries Resource Potential. (Location: BCMELP Library, FSJ)

(8) Koning, C.W., K.I. Ashley, P.A. Slaney, R.W. Land, and P.W. Davidson. 1995. Development of a Premier Northern River Fishery: Mesilinka River Pre-Fertilization Progress 1992-93. PWFWCP, Report No. 82. 37 pp. (Location: PWFWCP Library, PG)

(9) Langston, A.R. 1992. Stream Fertilization Feasibility Study 1991 Data Report. PWFWCP, Report No. 66. 56 pp. (+Appendices). (Location: PWFWCP Library, PG)

(10) Langston, A.R., and B.G. Blackman. 1993. Fisheries Resources and Enhancement Potentials of Selected Tributaries of the Williston Reservoir, Volume II. PWFWCP, Report No. 70. 185 pp. (+Appendices). (Location: PWFWCP Library, PG)

(11) Northcote, T.G. 1993. A Review of Management and Enhancement Options for the Arctic Grayling *(Thymallus arcticus)* with Special Reference to the Williston Reservoir Watershed in British Columbia. PWFWCP, Report No. 78. 69 pp. (Location: PWFWCP Library, PG and UNBC Stacks)

(12) Wood, M.D., and B.G. Blackman. 1998. Peace/Williston Fish and Wildlife Compensation Program Annual Report 1997/98. PWFWCP, Report No. 181. 17 pp. (Location: PWFWCP Library, PG)

9.4 ENHANCEMENT PROJECTS

(1) Koning, C.W., K.I. Ashley, P.A. Slaney, R.W. Land, and P.W. Davidson. 1995. Development of a Premier Northern River Fishery: Mesilinka River Pre-Fertilization Progress 1992-93. PWFWCP, Report No. 82. 37 pp. (Location: PWFWCP Library, PG)

(2) Langston, A.R. 1993(a). Water Temperatures of the Nation and Mesilinka River Systems 1992. PWFWCP, Report No. 74. 29 pp. (Location: PWFWCP Library, PG)

(3) Langston, A.R. 1993(b). Water Temperatures of the Nation and Mesilinka River Systems 1993. PWFWCP, Report No. 75. 56 pp. (Location: PWFWCP Library, PG)

(4) Langston, A.R. 1995. Water Temperatures of the Nation and Mesilinka River Systems 1995. PWFWCP, Report No. 83. 22 pp. (Location: PWFWCP Library, PG)

(5) Langston, A.R. 1996. Water Temperatures of the Nation and Mesilinka River Systems 1996. PWFWCP, Report No. 84. 14 pp. (Location: PWFWCP Library, PG)

(6) Langston, A.R., and R.J. Zemlak. 1994. Water Temperatures of the Nation and Mesilinka River System 1994. PWFWCP, Report No. 79. 22 pp. (Location: PWFWCP Library, PG)

(7) Langston, A.R., and R.J. Zemlak. 1998. Williston Reservoir Stocked Kokanee Spawning Assessment, 1994. PWFWCP Report No. 176. 13 pp. (+Appendices). (Location: PWFWCP Library, PG)

(8) Paul, A.J., C.W. Koning, K.I. Ashley, P.A. Slaney, P.W. Davidson, and R.W. Land. 1996. Development of a Premiere Northern River Fishery: Mesilinka River, the First Year of Fertilization (1994): 1996 Progress Report. PWFWCP, Report No. 85. 48 pp. (Location: PWFWCP Library, PG and BCMELP Library, Smithers)

(9) Zemlak, R.J., and A.R. Langston. 1997. Water Temperatures of the Nation and Mesilinka River Systems 1997. PWFWCP, Report No. 127. 16 pp. (Location: PWFWCP Library, PG)

9.5 ENHANCEMENT EVALUATIONS

(1) Koning, C.W., K.I. Ashley, P.A. Slaney, R.W. Land, and P.W. Davidson. 1995. Development of a Premier Northern River Fishery: Mesilinka River Pre-Fertilization Progress 1992-93. PWFWCP, Report No. 82. 37 pp. (Location: PWFWCP Library, PG) ✓

(2) Langston, A.R., and B.G. Blackman. 1993. Fisheries Resources and Enhancement Potentials of Selected Tributaries of the Williston Reservoir, Volume II. PWFWCP, Report No. 70. 185 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(3) Paul, A.J., C.W. Koning, K.I. Ashley, P.A. Slaney, P.W. Davidson, and R.W. Land. 1996. Development of a Premiere Northern River Fishery: Mesilinka River, the First Year of Fertilization (1994): 1996 Progress Report. PWFWCP, Report No. 85. 48 pp. (Location: PWFWCP Library, PG and BCMELP Library, Smithers) ✓

9.6 ENVIRONMENTAL IMPACT STUDIES, POLLUTANTS AND CONTAMINANTS

None of the available data fall into this category.

9.7 BASIC RESEARCH

(1) Stamford, M. 1996. Arctic Grayling DNA Project, Peace/Williston Fish and Wildlife Compensation Program. (PWFWCP Library, PG and BCMELP, Fisheries Branch, Victoria) ✓

9.8 FEDERAL FLOW GAUGING STATIONS (WATER SURVEY)

Station No.	Station Name	Latitude (deg min sec)	Longitude (deg min sec)	Established (mm/dd/yy)	Status
07EC003	Mesilinka River u/s Gopherhole	56 14 40	124 38 37	10/08/75	Active

9.9 PROVINCIAL FLOW GAUGING STATIONS (WATER MANAGEMENT BRANCH)

None of the available data fall into this category.

9.10 PROVINCIAL EMS SITES (WATER CHEMISTRY)

None of the available data fall into this category.

PART F. PEACE REACH

10.1 LIST OF NAMED LAKES AND STREAMS

LAKES

1. Carbon Lake
2. Clearwater Lake
3. Dunlevy Lake
4. Emerslund Lakes
5. Little Carbon Lake
6. West Nabesche Lake
7. Wicked Lake
8. Williston Lake (Peace Reach)

STREAMS

1. Adams Creek
2. Andy Creek
3. Aylard Creek
4. Beattie Creek
5. Bernard Creek
6. Bevel Creek
7. Bullrun Creek
8. Carbon Creek
9. Clearwater Creek
10. Collins Creek
11. Cowart Creek
12. Cust Creek
13. Danish Creek
14. Dresser Creek
15. Ducette Creek
16. Dunlevy Creek
17. Eleven Mile Creek
18. Elizabeth Creek
19. Emerslund Creek
20. Folded Hill Creek
21. Gravel Hill Creek
22. Hamlyn Creek
23. Ignatieff Creek
24. Lost Cabin Creek
25. Macoun Creek
26. McAllister Creek
27. Nabesche River
28. Nine Mile Creek
29. Pardonet Creek
30. Peek Creek
31. Point Creek
32. Portage Creek
33. Schooler Creek

STREAMS (CONT.)

34. Selwyn Creek
35. Seven Mile Creek
36. Starfish Creek
37. Stott Creek
38. Table Creek
39. Ten Mile Creek
40. Ursula Creek
41. Weasel Creek
42. West Nabesche River
43. Wicked River

10.2 INVENTORY PROJECTS

(1) Antoniuk, T.M. 1980. Fisheries Investigations in the Goodrich Study Area, August 1980 (Carbon Creek area). (Location: BCMELP Library, FSJ)

(2) Barrett, D.T., and T.G. Halsey. 1985. Fisheries Resources and Fisheries Potential of Williston Reservoir and its Tributary Streams, Volume 1: Fisheries Resources and Fisheries Potential of Williston Reservoir. BCMELP, Fisheries Technical Circular No. 68. (Location: UBC Woodward Library)

(3) BCMELP. 1981. Carbon Lake Survey Report. (Location: BCMELP Library, FSJ)

(4) PWFWCP. 1989. Dunlevy Lake Survey Report -- July 1989. (Location: BCMELP Library, FSJ)

(5) BC Research. 1971. Aquatic Invertebrates and Bedloads of Carbon Creek and Tributaries, 1971. BC Research, Division of Applied Biology, Vancouver. (Location: BCMELP Library, FSJ)

(6) BC Research. 1972. Carbon Creek Ecological Survey - Water Quality. BC Research, Division of Applied Biology, Vancouver. (Location: BCMELP Library, FSJ)

(7) BC Research. 1974. Carbon Creek Ecological Survey: Baseline Description of 7-Mile Creek, Carbon Creek and its Tributaries in 1971, 1972 and 1973. BC Research, Division of Applied Biology, Vancouver. (Location: BCMELP Library, FSJ)

(8) BC Research. 1975(a). Carbon Creek Ecological Study: Fish, Wildlife and Recreation, 1971-1973. BC Research, Division of Applied Biology, Vancouver. (Location: BCMELP Library, FSJ)

(9) BC Research. 1975(b). Carbon Creek Environmental Studies, 1975, Volume I. BC Research, Division of Applied Biology, Vancouver. (Location: BCMELP Library, FSJ)

(10) BC Research. 1975(c). Carbon Creek Environmental Studies, 1975, Volume II. BC Research, Division of Applied Biology, Vancouver. (Location: BCMELP Library, FSJ)

(11) BC Research. 1975(d). Carbon Creek Ecological Study: Aquatic Invertebrates and Bedload Characteristics, 1972, 1973. BC Research, Division of Applied Biology, Vancouver. (Location: BCMELP Library, FSJ)

(12) BC Research. 1980. Fish and Phytoplankton Forebay Distribution and Entrainment at Williston Lake, G.M. Shrum Generating Station. BC Research, Division of Applied Biology, Vancouver. (Location: BCMELP Library, FSJ)

(13) Beak Pacific Inc. (Vancouver, BC). 1998. Fish and Fish Habitat Inventory and Stream Classification: Volume 1, Report; Volume 2, DFO Stream Survey Forms; Volume 3, Original Photos and Negatives; Volume 4, Field Cards; Volume 5, Photo-Ready Copy; Volume 6, Maps. Prepared for Finlay Forest Industries Inc., Mackenzie, BC. (Location: BCMELP Library, PG)

(14) Blouw, M. 1996. Sampling Results of Dunlevy Creek, Williston Lake, September 21, 22, 1996. (Location: BCMELP, Fisheries Branch, Victoria)

(15) Bruce, P., and P.J. Starr. 1985. Fisheries Resources and Fisheries Potential of Williston Reservoir and its Tributary Streams, Volume 2: Fisheries Resources Potential of Williston Lake Tributaries, a Preliminary Overview. BCMELP, Fisheries Technical Circular No. 69. (Location: BCMELP Library, PG and UNBC Microform 90-06966)

(16) De Vries, A. 1996. Fish and Fish Habitat Inventory of Gaylard Tributary and Seven Mile Creek Tributary (Gaylard Creek, Dinosaur Lake Basin and Seven Mile Creek, Peace Reach). Prepared for Canadian Forest Products Ltd. (Chetwynd Division). (Location: BCMELP, Fisheries Branch, Victoria and Prince George)

(17) EDI Environmental Dynamics Inc. 1995. Inventory and Classification of Selected Tributaries to Williston Lake and the Pine River - DRAFT. Diversified Environmental Services. 1995. AMOCO Canada Petroleum B-62-H South Carbon Access Fisheries Habitat Assessment, July 1995. (Location: BCMELP Library, FSJ) ✓

(18) Environmental and Land-Use Sub-Committee on Northeast Coal Development. 1978. Northeast Coal Study Preliminary Environmental Report on Proposed Transportation Links and Townsites. (Location: BCMELP Library, FSJ)

(19) Hunter, M. 1997. A Reconnaissance Survey of Unnamed Lake (West Nabesche Lake). PWFWCP, Report No. 162. 20 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(20) Jesson, D.A. 1989. A Reconnaissance Survey of Dunlevy Lake. PWFWCP, Report No. 89. 16 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(21) Langston, A.R., and A.R. McLean. 1998. A Reconnaissance Survey of Emerslund Lake (Lower). PWFWCP, Report No. 137. 26 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(22) Langston, A.R., and A.R. McLean. 1998. A Reconnaissance Survey of Emerslund Lake (Upper). PWFWCP, Report No. 138. 27 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(23) Marlim Ecological Consulting. 1995. Stream Classification for: Proposed Blocks for Chetwynd Division - DRAFT (Dinosaur Lake Basin, Dowling Creek, Gaylard Creek and Peace Reach, Carbon Creek). (Location: BCMELP, Fisheries Branch, FSJ)

(24) McLean, A.R. 1991 (a). A Reconnaissance Survey of Clearwater Lake. PWFWCP, Report No. 103. 25 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(25) McLean, A.R. 1991 (b). A Reconnaissance Survey of Little Carbon Lake. PWFWCP, Report No. 108. 21 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(26) McLean, A.R., and B.G. Blackman. 1991. Williston Watershed Aerial Kokanee *(Oncorhynchus nerka)* Spawning Survey 1990. PWFWCP, Report No. 62. 10 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(27) Retzer, C.M. 1989. Spawning and Rearing Habitat Assessment of Williston Reservoir Tributaries. PWFWCP, Report No. 56. 35 pp. (Location: PWFWCP Library, PG) ✓

(28) R.J.A. Forestry Ltd. 1995. Stream Classification and Fish Habitat Assessment of Several Cutblocks in the Chetwynd/Tumbler Ridge Area (Carbon Creek area). (Location: BCMELP, Fisheries Branch, FSJ)

(29) Stoddard, E.M. (EMS Aquatic Services). 1996. Northeastern British Columbia Sportfish, Rare and Endangered Fish Species Distribution Maps (Note: this reference includes information on more than 1 50 water bodies in the Williston Reservoir Watershed). (BCMELP, Fisheries Branch, Victoria)

(30) Waberski Darrow Survey Group (Fort St. John, BC). 1997. Fish Habitat Airborne Survey: Clearwater Creek (Eight 1:20,000 maps and a 1:250,000 overview map). Prepared for BCMELP, Prince George Region. (Location: BCMELP, Fisheries Branch, PG) ✓

(31) Zemlak, R.J. 1995. Fish Trapping Operation on Dunlevy Creek 1995. PWFWCP, Report No. 172. 17 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

10.3 PLANNING REPORTS

(1) BCMELP. 1983(a). Finlay-Omineca Environmental Plan: Terms of Reference. (Location: BCMELP Library, PG)

(2) BCMELP. 1983(b). Finlay-Omineca Environmental Plan: Technical Report. (Location: BCMELP Library, Victoria)

(3) BCMELP. 1989. Finlay-Omineca Strategic Environmental Plan: Plan Summary. (Location: BCMELP Library, PG)

(4) Blackman, B.G. (in prep.). Summary of Fisheries Activities: Projects Initiated in 1988. In Preparation for Submission to PWFWCP (Location: PWFWCP office, PG) ✓

(5) Blackman, B.G., D. Jesson, D. Ableson, and T. Down. 1990. Williston Lake Fisheries Compensation Program Management Plan. PWFWCP, Report No. 58. 38 pp. (Location: PWFWCP Library, PG) ✓

(6) Blackman, B.G. April 1998 (DRAFT). A Strategic Plan for the Conservation and Restoration of Arctic Grayling in the Williston Reservoir Watershed. 20 pp. (Location: PWFWCP office, PG) ✓

(7) Bruce, P.G., and PJ. Starr. 1985. Photodocumentation of Williston Lake Tributaries for the 1975 Assessment of Fisheries Resource Potential. (Location: BCMELP Library, FSJ)

(8) Langston, A.R. 1992. Stream Fertilization Feasibility Study 1991 Data Report. PWFWCP, Report No. 66. 56 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(9) Langston, A.R., and B.G. Blackman. 1993. Fisheries Resources and Enhancement Potentials of Selected Tributaries of the Williston Reservoir, Volume II. PWFWCP, Report No. 70. 185 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(10) Langston, A.R., A.R. McLean, and B.G. Blackman. 1991. Small Lake Inventory and Enhancement Program Preliminary Progress and Enhancement Report on 1991 Field Activities. PWFWCP, Report No. 61. 20 pp. (Location: PWFWCP Library, PG) ✓

(11) McLean, A.R., and A.R. Langston. 1992. Small Lake Program Summary 1989-1992. PWFWCP, Report No. 65. 19 pp. (Location: PWFWCP Library, PG) ✓

(12) McLean, A.R., and A.R. Langston. 1993. Current Status and Potential Enhancement Projects of Selected Small Lakes in the Omineca/Peace Region. PWFWCP, Report No. 68. 26 pp. (Location: PWFWCP Library, PG) ✓

(13) Northcote, T.G. 1993. A Review of Management and Enhancement Options for the Arctic Grayling *(Thymallus arcticus)* with Special Reference to the Williston Reservoir Watershed in British Columbia. PWFWCP, Report No. 78. 69 pp. (Location: PWFWCP Library, PG and UNBC Stacks) ✓

(14) Wood, M.D., and B.G. Blackman. 1998. Peace/Williston Fish and Wildlife Compensation Program Annual Report 1997/98. PWFWCP, Report No. 181. 17 pp. (Location: PWFWCP Library, PG) ✓

10.4 ENHANCEMENT PROJECTS

(1) Morgan, M.R. 1995. Carbon Creek Spawning/Rearing Channel Preliminary Design. PWFWCP, Report No. 81. 24 pp. (+Appendices(Location: PWFWCP Library, PG) ✓

(2) Zemlak, R.J. 1995. Fish Trapping Operation on Dunlevy Creek 1995. PWFWCP, Report No. 172. 17 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

10.5 PROGRAM EVALUATIONS

(1) Langston, A.R., and R.J. Zemlak. 1998. Williston Reservoir Stocked Kokanee Spawning Assessment, 1994. PWFWCP Report No. 176. 13 pp. (+ Appendices). (Location: PWFWCP Library, PG) ✓

(2) Zemlak, R.J. 1995. Fish Trapping Operation on Dunlevy Creek 1995. PWFWCP, Report No. 172. 17 pp. (+ Appendices). (Location: PWFWCP Library, PG) ✓

10.6 ENVIRONMENTAL IMPACT STUDIES, POLLUTANTS AND CONTAMINANTS

(1) BC Research 1976(a). Carbon Creek Environmental Studies, 1975 (Volume I). (Location: BCMELP Library, FSJ)

(2) BC Research 1976(b). Carbon Creek Environmental Studies, 1975 (Volume II). (Carbon Creek, Seven Mile Creek, Eleven Mile Creek and Ten Mile Creek areas). (Location: BCMELP Library, FSJ)

(3) Diversified Environmental Services. 1995. AMOCO Canada Petroleum B-62-H South Carbon Access Fisheries Habitat Assessment, July 1995. (Location: BCMELP Library, FSJ)

(4) Utah Mines Ltd. 1982(a). Carbon Creek Coal Development, Stage 2: Environmental Impact Assessment (Volume 1). (Location: BCMELP Library, PG)

(5) Utah Mines Ltd. 1982(b). Carbon Creek Coal Development, Stage 2: Environmental Impact Assessment (Appendices to Volume 1). (Location: BCMELP Library, PG)

10.7 BASIC RESEARCH

(1) Druce, D.J. 1990. Incorporating daily flood control objectives into a monthly stochastic dynamic programming model for a hydroelectric complex. Water Resources Research 26: 5-11. (Location: UNBC Periodicals)

(2) Johns, M.J., C.R. Barnes, and M.J. Orchard. 1997. Taxonomy and Biostratigraphy of Middle and Late Triassic Elasmobranch Ichthyoliths from Northeastern British Columbia. Geological Survey of Canada Bulletin 502. 235 pp. (+ maps). (Location: UNBC Microlog Catalogue 97-07032 or Geological Survey of Canada)

(3) Stamford, M. 1996. Arctic Grayling DNA Project, Peace/Williston Fish and Wildlife Compensation Program. (PWFWCP Library, PG and BCMELP, Fisheries Branch, Victoria) ✓

10.8 FEDERAL FLOW GAUGING STATIONS (WATER SURVEY)

None of the available data fall into this category.

10.9 PROVINCIAL FLOW GAUGING STATIONS (WATER MANAGEMENT BRANCH)

None of the available data fall into this category.

10.10 PROVINCIAL EMS SITES (WATER CHEMISTRY)

None of the available data fall into this category.

PART G. OSILINKA RIVER SUB-BASIN

11.1 LIST OF NAMED LAKES AND STREAMS

LAKES

1. Chudelatsa Lake
2. End Lake
3. Tenakihi Lake, Middle
4. Tenakihi Lake, Upper
5. Uslika Lake
6. Wasi Lake

STREAMS

1. Haha Creek
2. Jim May Creek
3. Osilinka River
4. Tenakihi Creek
5. Thane Creek
6. Steele Creek
7. Vega Creek
8. Wasi Creek

11.2 INVENTORY PROJECTS

(1) Barrett, D.T., and T.G. Halsey. 1985. Fisheries Resources and Fisheries Potential of Williston Reservoir and its Tributary Streams, Volume 1: Fisheries Resources and Fisheries Potential of Williston Reservoir. BCMELP, Fisheries Technical Circular No. 68. (Location: UBC Woodward Library)

(2) Beak Pacific Inc. (Vancouver, BC). 1998. Fish and Fish Habitat Inventory and Stream Classification: Volume 1, Report; Volume 2, DFO Stream Survey Forms; Volume 3, Original Photos and Negatives; Volume 4, Field Cards; Volume 5, Photo-Ready Copy; Volume 6, Maps. Prepared for Finlay Forest Industries Inc., Mackenzie, BC. (Location: BCMELP Library, PG)

(3) Bruce, P., and P.J. Starr. 1985. Fisheries Resources and Fisheries Potential of Williston Reservoir and its Tributary Streams, Volume 2: Fisheries Resources Potential of Williston Lake Tributaries, a Preliminary Overview. BCMELP, Fisheries Technical Circular No. 69. (Location: BCMELP Library, PG and UNBC Microform 90-06966)

(4) Coombes, D.M.V. 1986. A Reconnaissance Survey of Wasi Lake. (Location: Regional Lake Inventory Files, PG)

(5) EDI Environmental Dynamics Inc. 1997. Video Surveys of the Ospika, Osilinka, Parsnip, Hominka and Messinka Rivers and Associated Mapsheets (approximate title). Prepared for BCMELP and PWFWCP. (Location: PWFWCP files, PG)

(6) Hunter, M. 1997(a). A Reconnaissance Survey of Upper Tenakihi Lake. PWFWCP, Report No. 165. 29 pp. (+Appendices). (Location: PWFWCP Library, PG)

(7) Hunter, M. 1997(b). A Reconnaissance Survey of Middle Tenakihi Lake. PWFWCP, Report No. 166. 22 pp. (+Appendices). (Location: PWFWCP Library, PG)

(8) McLean, A.R., and B.G. Blackman. 1991. Williston Watershed Aerial Kokanee *(Oncorhynchus nerka)* Spawning Survey 1990. PWFWCP, Report No. 62. 10 pp. (+Appendices). (Location: PWFWCP Library, PG)

(9) Stoddard, E.M. (EMS Aquatic Services). 1996. Northeastern British Columbia Sportfish, Rare and Endangered Fish Species Distribution Maps (Note: this reference includes information on more than 150 water bodies in the Williston Reservoir Watershed). (BCMELP, Fisheries Branch, Victoria)

(10) Terra Pro GPS Survey Ltd. (Fort St. John, BC). 1996 GPS/Stream Video Surveys: (1) Parsnip River Tributaries; (2) Mesilinka River and Tributaries; and (3) Osilinka River Tributaries (incl. full set of 1:20,000 maps and a 1:250,000 overview map). Prepared for BCMELP, Prince George Region and PWFWCP. (Location: BCMELP, Fisheries Branch, PG)

11.3 PLANNING REPORTS

(1) BCMELP. 1983(a). Finlay-Omineca Environmental Plan: Terms of Reference. (Location: BCMELP Library, PG)

(2) BCMELP. 1983(b). Finlay-Omineca Environmental Plan: Technical Report. (Location: BCMELP Library, Victoria)

(3) BCMELP. 1989. Finlay-Omineca Strategic Environmental Plan: Plan Summary. (Location: BCMELP Library, PG)

(4) Blackman, B.G. (in prep.). Summary of Fisheries Activities: Projects Initiated in 1988. In Preparation for Submission to PWFWCP (Location: PWFWCP office, PG)

(5) Blackman, B.G., D. Jesson, D. Ableson, and T. Down. 1990. Williston Lake Fisheries Compensation Program Management Plan. PWFWCP, Report No. 58. 38 pp. (Location: PWFWCP Library, PG)

(6) Blackman, B.G. April 1998 (DRAFT). A Strategic Plan for the Conservation and Restoration of Arctic Grayling in the Williston Reservoir Watershed. 20 pp. (Location: PWFWCP office, PG)

(7) Bruce, P.G., and P.J. Starr. 1985. Photodocumentation of Williston Lake Tributaries for the 1975 Assessment of Fisheries Resource Potential. (Location: BCMELP Library, FSJ)

(8) Langston, A.R. 1992. Stream Fertilization Feasibility Study 1991 Data Report. PWFWCP, Report No. 66. 56 pp. (+Appendices). (Location: PWFWCP Library, PG)

(9) Northcote, T.G. 1993. A Review of Management and Enhancement Options for the Arctic Grayling *(Thymallus arcticus)* with Special Reference to the Williston Reservoir Watershed in British Columbia. PWFWCP, Report No. 78. 69 pp. (Location: PWFWCP Library, PG and UNBC Stacks)

(10) Wood, M.D., and B.G. Blackman. 1998. Peace/Williston Fish and Wildlife Compensation Program Annual Report 1997/98. PWFWCP, Report No. 181. 17 pp. (Location: PWFWCP Library, PG)

11.4 ENHANCEMENT PROJECTS

None of the available data fall into this category.

11.5 ENHANCEMENT EVALUATIONS

None of the available data fall into this category.

11.6 ENVIRONMENTAL IMPACT STUDIES, POLLUTANTS AND CONTAMINANTS

None of the available data fall into this category.

11.7 BASIC RESEARCH

(1) Stamford, M. 1996. Arctic Grayling DNA Project, Peace/Williston Fish and Wildlife Compensation Program. (PWFWCP Library, PG and BCMELP, Fisheries Branch, Victoria)

11.8 FEDERAL FLOW GAUGING STATIONS (WATER SURVEY)

Station No.	Station Name	Latitude (deg min sec)	Longitude (deg min sec)	Established (mm/dd/yy)	Status
07EC004	Osilinka River near End Lake	56 07 35	124 48 05	01/01/81	Active

11.9 PROVINCIAL FLOW GAUGING STATIONS (WATER MANAGEMENT BRANCH)

None of the available data fall into this category.

11.10 PROVINCIAL EMS SITES (WATER CHEMISTRY)

None of the available data fall into this category.

PART H. OMINECA RIVER SUB-BASIN

12.1 LIST OF NAMED LAKES AND STREAMS

LAKES

1. Akus Lake
2. Beaver Pond Lake, Lower
3. Beaver Pond Lake, Upper
4. Blue Lake
5. Byrnes Lake
6. Diver Lake
7. Echo Lake
8. Fable Lake
9. Germansen Lake
10. Humphrey Lake
11. Kelly Lake
12. Nina Lake
13. Silver Lake
14. Squawkbird Lake
15. Teegee Lake
16. Tom Lake
17. Wassie Lake
18. Yuen Lake

STREAMS

1. Ah Lock Creek
2. Alice Creek
3. Beaver Pond Creek
4. Carruthers Creek
5. Cook Creek
6. Detni Creek
7. Discovery Creek
8. Duckling Creek
9. Evans Creek
10. Fall Creek
11. Ferriston Creek
12. Fumar Creek
13. Genlyd Creek
14. Germansen River
15. Germansen River, South
16. Goodasany Creek
17. Harison Creek
18. Humphrey Creek
19. Kelly Creek
20. Kenny Creek
21. Jackfish Creek
22. Mariposite Creek
23. Nina Creek
24. Ogden Creek
25. Olsen Creek
26. Omineca River
27. Ominicetla Creek
28. Pacquette Creek
29. Plughat Creek
30. Quartzite Creek
31. Silver Creek
32. Squawkbird Creek
33. Teegee Creek
34. Tom Creek
35. Twenty Mile Creek
36. Vital Creek
37. Wendy Creek
38. Yuen Creek

12.2 INVENTORY PROJECTS

(1) Barrett, D.T., and T.G. Halsey. 1985. Fisheries Resources and Fisheries Potential of Williston Reservoir and its Tributary Streams, Volume 1: Fisheries Resources and Fisheries Potential of Williston Reservoir. BCMELP, Fisheries Technical Circular No. 68. (Location: UBC Woodward Library)

(2) Beak Pacific Inc. (Vancouver, BC). 1998. Fish and Fish Habitat Inventory and Stream Classification: Volume 1, Report; Volume 2, DFO Stream Survey Forms; Volume 3, Original Photos and Negatives; Volume 4, Field Cards; Volume 5, Photo-Ready Copy; Volume 6, Maps. Prepared for Finlay Forest Industries Inc., Mackenzie, BC. (Location: BCMELP Library, PG)

(3) Bruce, P., and P.J. Starr. 1985. Fisheries Resources and Fisheries Potential of Williston Reservoir and its Tributary Streams, Volume 2: Fisheries Resources Potential of Williston Lake Tributaries, a Preliminary Overview. BCMELP, Fisheries Technical Circular No. 69. (Location: BCMELP Library, PG and UNBC Microform 90-06966)

(4) Coombes, D.M.V. 1988. A Reconnaissance Survey of Nina Lake. (Location: Regional Lake Inventory Files, PG)

(5) Ferguson, J.P. 1994(a). A Reconnaissance Survey of Akus Lake. (Location: Regional Lake Inventory Files, PG)

(6) Ferguson, J.P. 1994(b). A Reconnaissance Survey of Diver Lake. (Location: Regional Lake Inventory Files, PG)

(7) Hallam Knight Piesold Ltd. 1994. North Zone Timber Harvest Fisheries Habitat Assessment Program (Ogden Creek, Beaver pond Creek, Diver Lake, Ominicetla Creek, Teegee Creek, Akus Lake, Fall River and Silver Creek areas). Prepared for Rustad Bros, and Co., Prince George, BC. (Location: BCMELP Library, PG)

(8) Hunter, M.J. 1994(a). A Reconnaissance Survey of Kelly Lake. (Location: Regional Lake Inventory Files, PG)

(9) Hunter, M.J. 1994(b). A Reconnaissance Survey of Upper Beaver Pond Lake. (Location: Regional Lake Inventory Files, PG)

(10) Hunter, M.J. 1994(c). A Reconnaissance Survey of Lower Beaver Pond Lake. (Location: Regional Lake Inventory Files, PG)

(11) Hunter, M.J. 1997. A Reconnaissance Survey of Teegee Lake. PWFWCP. Report No. 141. 29 pp. (+Appendices). (Location: PWFWCP Library, PG)

(12) Labach, M.G. 1988. A Reconnaissance Survey of Echo Lake (Lilydale). (Location: Regional Lake Inventory Files, PG)

(13) McLean, A.R., and B.G. Blackman. 1991. Williston Watershed Aerial Kokanee *(Oncorhynchus nerka)* Spawning Survey 1990. PWFWCP, Report No. 62. 10 pp. (+Appendices). (Location: PWFWCP Library, PG)

(14) Stoddard, E.M. (EMS Aquatic Services). 1996. Northeastern British Columbia Sportfish, Rare and Endangered Fish Species Distribution Maps (Note: this reference includes information on more than 1 50 water bodies in the Williston Reservoir Watershed). (BCMELP, Fisheries Branch, Victoria)

(15) Terra Pro GPS Surveys Ltd. 1997. 1997 GPS/Stream Video Surveys: Omineca River tributaries. Prepared for BCMELP, Prince George Region and PWFWCP. (Location: BCMELP, Fisheries Branch, PG).

12.3 PLANNING REPORTS

(1) BCMELP. 1983(a). Finlay-Omineca Environmental Plan: Terms of Reference. (Location: BCMELP Library, PG)

(2) BCMELP. 1983(b). Finlay-Omineca Environmental Plan: Technical Report. (Location: BCMELP Library, Victoria)

(3) BCMELP. 1989. Finlay-Omineca Strategic Environmental Plan: Plan Summary. (Location: BCMELP Library, PG)

(4) Blackman, B.G. (in prep.). Summary of Fisheries Activities: Projects Initiated in 1988. In Preparation for Submission to PWFWCP (Location: PWFWCP office, PG) ✓

(5) Blackman, B.G., D. Jesson, D. Ableson, and T. Down. 1990. Williston Lake Fisheries Compensation Program Management Plan. PWFWCP, Report No. 58. 38 pp. (Location: PWFWCP Library, PG) ✓

(6) Blackman, B.G. April 1998 (DRAFT). A Strategic Plan for the Conservation and Restoration of Arctic Grayling in the Williston Reservoir Watershed. 20 pp. (Location: PWFWCP office, PG) ✓

(7) Bruce, P.G., and PJ. Starr. 1985. Photodocumentation of Williston Lake Tributaries for the 1975 Assessment of Fisheries Resource Potential. (Location: BCMELP Library, FSJ)

Langston, A.R. 1992. Stream Fertilization Feasibility Study 1991 Data Report. PWFWCP, Report No. 66. 56 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(9) McLean, A.R., and A.R. Langston. 1992. Small Lake Program Summary 1989-1992. PWFWCP, Report No. 65. 19 pp. (Location: PWFWCP Library, PG) ✓

(10) McLean, A.R., and A.R. Langston. 1993. Current Status and Potential Enhancement Projects of Selected Small Lakes in the Omineca/Peace Region. PWFWCP, Report No. 68. 26 pp. (Location: PWFWCP Library, PG) ✓

(11) Northcote, T.G. 1993. A Review of Management and Enhancement Options for the Arctic Grayling *(Thymallus arcticus)* with Special Reference to the Williston Reservoir Watershed in British Columbia. PWFWCP, Report No. 78. 69 pp. (Location: PWFWCP Library, PG and UNBC Stacks) ✓

(12) Wood, M.D., and B.G. Blackman. 1998. Peace/Williston Fish and Wildlife Compensation Program Annual Report 1997/98. PWFWCP, Report No. 181. 17 pp. (Location: PWFWCP Library, PG) ✓

12.4 ENHANCEMENT PROJECTS

None of the available data fall into this category.

12.5 ENHANCEMENT EVALUATIONS

None of the available data fall into this category.

12.6 ENVIRONMENTAL IMPACT STUDIES, POLLUTANTS AND CONTAMINANTS

None of the available data fall into this category.

12.7 BASIC RESEARCH

(1) Stamford, M. 1996. Arctic Grayling DNA Project, Peace/Williston Fish and Wildlife Compensation Program. (PWFWCP Library, PG and BCMELP, Fisheries Branch, Victoria)

12.8 FEDERAL FLOW GAUGING STATIONS (WATER SURVEY)

Station No.	Station Name	Latitude (deg min sec)	Longitude (deg min sec)	Established (mm/dd/yy)	Status
07EC002	Omineca River u/s Osilinka River	55/54/58	124/34/03	10/09/75	Active

12.9 PROVINCIAL FLOW GAUGING STATIONS (WATER MANAGEMENT BRANCH)

None of the available data fall into this category.

12.10 PROVINCIAL EMS SITES (WATER CHEMISTRY)

None of the available data fall into this category.

PART I. MANSON RIVER SUB-BASIN

13.1 LIST OF NAMED LAKES AND STREAMS

LAKES

1. Connaghan Lake
2. Curve Lake
3. Gaffney Lakes
4. Manson Lake, Lower
5. Manson Lake, Upper
6. Porcupine Lake
7. Skunk Lake
8. Spring Lake
9. Treb Lake
10. Wolverine Lakes

STREAMS

1. Boulder Creek
2. Carmella Creek
3. Donna Creek
4. Gaffney Creek
5. Gaffney Creek, Little
6. Granite Creek
7. Lost Creek
8. Manson River
9. Munro Creek
10. Skeleton Creek
11. Slate Creek

13.2 INVENTORY PROJECTS

(1) Barrett, D.T., and T.G. Halsey. 1985. Fisheries Resources and Fisheries Potential of Williston Reservoir and its Tributary Streams, Volume 1: Fisheries Resources and Fisheries Potential of Williston Reservoir. BCMELP, Fisheries Technical Circular No. 68. (Location: UBC Woodward Library)

(2) BCMELP. 1992. Manson River Data. (Location: Regional Lake Inventory Files, PG)

(3) BCMELP. 1995. Wolverine Lakes Data. (Location: Regional Lake Inventory Files, PG)

(4) Bruce, P., and P.J. Starr. 1985. Fisheries Resources and Fisheries Potential of Williston Reservoir and its Tributary Streams, Volume 2: Fisheries Resources Potential of Williston Lake Tributaries, a Preliminary Overview. BCMELP, Fisheries Technical Circular No. 69. (Location: BCMELP Library, PG and UNBC Microform 90-06966)

(5) Hunter, M. 1997(a). A Reconnaissance Survey of Spring Lake. PWFWCP, Report No. 145. 24 pp. (+Appendices). (Location: PWFWCP Library, PG)

(6) Hunter, M. 1997(b). A Reconnaissance Survey of Connaghan Lake. PWFWCP, Report No. 149. 29 pp. (+Appendices). (Location: PWFWCP Library, PG)

(7) Hunter, M. 1997(c). A Reconnaissance Survey of Unnamed Lake (Gaffney Lake #3). PWFWCP, Report No. 150. 24 pp. (+Appendices). (Location: PWFWCP Library, PG)

(8) Hunter, M. 1997(d). A Reconnaissance Survey of Unnamed Lake (Gaffney Lake #4). PWFWCP, Report No. 151. 24 pp. (+Appendices). (Location: PWFWCP Library, PG)

(9) Jesson, D.A. 1989. A Reconnaissance Survey of Curve Lake. PWFWCP, Report No. 88. 18 pp. (+Appendices). (Location: PWFWCP Library, PG)

(10) McLean, A.R., and B.G. Blackman. 1991. Williston Watershed Aerial Kokanee *(Oncorhynchus nerka)* Spawning Survey 1990. PWFWCP, Report No. 62. 10 pp. (+Appendices). (Location: PWFWCP Library, PG)

(11) Retzer, C.M. 1989. Spawning and Rearing Habitat Assessment of Williston Reservoir Tributaries. PWFWCP, Report No. 56. 35 pp. (Location: PWFWCP Library, PG)

(12) Stoddard, E.M. (EMS Aquatic Services). 1996. Northeastern British Columbia Sportfish, Rare and Endangered Fish Species Distribution Maps (Note: this reference includes information on more than 1 50 water bodies in the Williston Reservoir Watershed). (BCMELP, Fisheries Branch, Victoria)

13.3 PLANNING REPORTS

(1) BCMELP. 1983(a). Finlay-Omineca Environmental Plan: Terms of Reference. (Location: BCMELP Library, PG)

(2) BCMELP. 1983(b). Finlay-Omineca Environmental Plan: Technical Report. (Location: BCMELP Library, Victoria)

(3) BCMELP. 1989. Finlay-Omineca Strategic Environmental Plan: Plan Summary. (Location: BCMELP Library, PG)

(4) Blackman, B.G. (in prep.). Summary of Fisheries Activities: Projects Initiated in 1988. In Preparation for Submission to PWFWCP (Location: PWFWCP office, PG)

(5) Blackman, B.G., D. Jesson, D. Ableson, and T. Down. 1990. Williston Lake Fisheries Compensation Program Management Plan. PWFWCP, Report No. 58. 38 pp. (Location: PWFWCP Library, PG)

(6) Blackman, B.G. April 1998 (DRAFT). A Strategic Plan for the Conservation and Restoration of Arctic Grayling in the Williston Reservoir Watershed. 20 pp. (Location: PWFWCP office, PG)

(7) Bruce, P.G., and P.J. Starr. 1985. Photodocumentation of Williston Lake Tributaries for the 1975 Assessment of Fisheries Resource Potential. (Location: BCMELP Library, FSJ)

(8) Langston, A.R. 1992. Stream Fertilization Feasibility Study 1991 Data Report. PWFWCP, Report No. 66. 56 pp. (+Appendices). (Location: PWFWCP Library, PG)

(9) Langston, A.R., and B.G. Blackman. 1993. Fisheries Resources and Enhancement Potentials of Selected Tributaries of the Williston Reservoir, Volume II. PWFWCP, Report No. 70. 185 pp. (+Appendices). (Location: PWFWCP Library, PG)

(10) Langston, A.R., A.R. McLean, and B.G. Blackman. 1991. Small Lake Inventory and Enhancement Program Preliminary Progress and Enhancement Report on 1991 Field Activities. PWFWCP, Report No. 61. 20 pp. (Location: PWFWCP Library, PG)

(11) Langston, A.R., and R.J. Zemlak. 1998. Williston Reservoir Stocked Kokanee Spawning Assessment, 1994. PWFWCP Report No. 176. 13 pp. (+Appendices). (Location: PWFWCP Library, PG)

(12) McLean, A.R., and A.R. Langston. 1992. Small Lake Program Summary 1989-1992. PWFWCP, Report No. 65. 19 pp. (Location: PWFWCP Library, PG)

(13) McLean, A.R., and A.R. Langston. 1993. Current Status and Potential Enhancement Projects of Selected Small Lakes in the Omineca/Peace Region. PWFWCP, Report No. 68. 26 pp. (Location: PWFWCP Library, PG)

(14) Northcote, T.G. 1993. A Review of Management and Enhancement Options for the Arctic Grayling *(Thymallus arcticus)* with Special Reference to the Williston Reservoir Watershed in British Columbia. PWFWCP, Report No. 78. 69 pp. (Location: PWFWCP Library, PG and UNBC Stacks)

(15) Wood, M.D., and B.G. Blackman. 1998. Peace/Williston Fish and Wildlife Compensation Program Annual Report 1997/98. PWFWCP, Report No. 181. 17 pp. (Location: PWFWCP Library, PG)

13.4 ENHANCEMENT PROJECTS

(1) McLean, A.R. 1991 (a). Fish Habitat Enhancement Potential and Stocking Assessment of Lower Manson Lake. PWFWCP, Report No. 120. 12 pp. (+Appendices). (Location: PWFWCP Library, PG)

(2) McLean, A.R. 1991 (b). Fish Habitat Enhancement Potential and Stocking Assessment of Upper Manson Lake. PWFWCP, Report No. 121. 12 pp. (+Appendices). (Location: PWFWCP Library, PG)

13.5 ENHANCEMENT EVALUATIONS

None of the available data fall into this category.

13.6 ENVIRONMENTAL IMPACT STUDIES, POLLUTANTS AND CONTAMINANTS

(1) Donna Creek Technical Investigative Team. 1992. Investigation into the June, 1992, Slope Failure: Donna Creek - Manson River, Mackenzie Forest District. (Location: BCMELP Library, PG)

13.7 BASIC RESEARCH

(1) Stamford, M. 1996. Arctic Grayling DNA Project, Peace/Williston Fish and Wildlife Compensation Program. (PWFWCP Library, PG and BCMELP, Fisheries Branch, Victoria) ✓

13.8 FEDERAL FLOW GAUGING STATIONS (WATER SURVEY)

None of the available data fall into this category.

13.9 PROVINCIAL FLOW GAUGING STATIONS (WATER MANAGEMENT BRANCH)

None of the available data fall into this category.

13.10 PROVINCIAL EMS SITES (WATER CHEMISTRY)

None of the available data fall into this category.

PART J. NATION RIVER SUB-BASIN

14.1 LIST OF NAMED LAKES AND STREAMS

LAKES

1. Abas Lake
2. Academus Lake
3. Ahdatay Lake
4. Airline Lake
5. Albert Lake
6. Apostrophe Lake
7. Burden Lake
8. Calais Lake
9. Calais Lake, Little
10. Chichonajilh Lake
11. Chooyazi Lake
12. Chuchi Lake
13. Dia Lake
14. Dukaihoonli Lake
15. Elektra Lake
16. Finger Lake
17. Fish Hook Lake
18. Fishroe Lake
19. Genesis Lake
20. Gidegingla Lake
21. Glaucers Lake
22. Here We Are Lake
23. Indata Lake
24. Klawdetelle Lake
25. Klawli Lake
26. MacDonald Lake
27. MacDonald Lake, Little
28. Moose Lake
29. Mudzenchoo Lake
30. Munro Lake
31. Peg Lake
32. Philip Lakes
33. Profile Lake
34. Purvis Lake
35. Robinson Lake
36. Squawfish Lake
37. Sylvester Lake, East
38. Sylvester Lake, West
39. Tamasgate Lake
40. Tchentlo Lake
41. Tizgay Lake

LAKES (CONT.)

42. Tlutsacho Lake
43. Tsaydaychi Lake
44. Tsayta Lake
45. Webberly Lake
46. Witch Lake
47. Witton Lake
48. Witter Lakes
49. Wudtsi Lake

STREAMS

1. Ahdatay Creek
2. Albert Creek
3. Brule Creek
4. Dream Creek
5. Fish Creek
6. Gillis Creek
7. Groundhog Creek
8. Halobia Creek
9. Jean Marie Creek
10. Klawdetelle Creek
11. Klawli Creek
12. Kwanika Creek
13. Kwanika Creek, West
14. Moosmoos Creek
15. Nation River
16. Philip Creek
17. Rainbow Creek
18. Robinson Creek
19. Rottacker Creek
20. Suschona Creek
21. Suschua Creek
22. Sylvester Creek
23. Tsaydaychi Creek
24. Twin Creek
25. Valleau Creek
26. West Kwanika Creek
27. Wheel Creek
28. Wittsichica Creek

14.2 INVENTORY PROJECTS

(1) Avison Management Services Ltd. (Vanderhoof, BC), in prep. 1:20,000 Fish and Fish Habitat Inventory of Chuchi Lake and Inzana Lake Tributaries. In preparation for Apollo Products Ltd., Fort St. James, BC. (BCMELP Library, PG)

(2) Barrett, D.T., and T.G. Halsey. 1985. Fisheries Resources and Fisheries Potential of Williston Reservoir and its Tributary Streams, Volume 1: Fisheries Resources and Fisheries Potential of Williston Reservoir. BCMELP, Fisheries Technical Circular No. 68. (Location: UBC Woodward Library)

(3) BCMELP. 1976. Squawfish Lake Data. (Location: Regional Lake Inventory Files, PG)

(4) BCMELP. 1977(a). Webberly Lake Data. (Location: Regional Lake Inventory Files, PG)

(5) BCMELP. 1977(b). Calais Lake Data. (Location: Regional Lake Inventory Files, PG)

(6) BCMELP. 1977(c). Albert Lake Data. (Location: Regional Lake Inventory Files, PG)

(7) BCMELP. 1977(d). Tlutsacho Lake Data. (Location: Regional Lake Inventory Files, PG)

(8) BCMELP. 1977(e). Glaucers Lake Data. (Location: Regional Lake Inventory Files, PG)

(9) BCMELP. 1977(f). Gidegingla Lake Data. (Location: Regional Lake Inventory Files, PG)

(10) BCMELP. 1977(g). Mudzenchoo Lake Data. (Location: Regional Lake Inventory Files, PG)

(11) BCMELP. 1977(h). Wudsi Lake Data. (Location: Regional Lake Inventory Files, PG)

(12) BCMELP. 1977(i). Chichonajilh Lake Data. (Location: Regional Lake Inventory Files, PG)

(13) BCMELP. 1977(j). Tsaydaychi Lake Data. (Location: Regional Lake Inventory Files, PG)

(14) BCMELP. 1978. Philip Lake Data. (Location: Regional Lake Inventory Files, PG)

(15) BCMELP. 1985. Elektra Lake Data. (Location: Regional Lake Inventory Files, PG)

(16) BCMELP. 1986. Aerial Creel Survey of Selected Waters in the South Peace River Area of British Columbia, 1985. (Location: BCMELP Library, FSJ)

(17) BCMELP. 1995(a). Tamasgate Lake Data. (Location: Regional Lake Inventory Files, PG)

(18) BCMELP. 1995(b). MacDonald Lake Data. (Location: Regional Lake Inventory Files, PG)

(19) Bruce, P., and P.J. Starr. 1985. Fisheries Resources and Fisheries Potential of Williston Reservoir and its Tributary Streams, Volume 2: Fisheries Resources Potential of Williston Lake Tributaries, a Preliminary Overview. BCMELP, Fisheries Technical Circular No. 69. (Location: BCMELP Library, PG and UNBC Microform 90-06966)

(20) Bujold, R., L. Foster, J. Love, and D. McKenna (Forest Floor Contracting Ltd., Vanderhoof, BC). 1998. Fish Habitat Assessment (Overview and Level I) for the Chuchi Lake and Inzana Lake Watershed: Volume 1, Report; Volume 2, Photographs and Maps; and Volume 3, Data. Prepared for Apollo Forest Products Ltd., Fort St. James, BC. (Location: BCMELP Library, PG)

(21) Burns, J.F. 1978. An Inventory of Streams Tributary to Tsayta and Indata Lakes. BCMELP, Fish and Wildlife Branch, Victoria. (Location: Regional Lake Inventory Files, PG)

(22) Environmental Dynamics Inc. (Prince George, BC), in prep. 1:20,000 Fish and Fish Habitat Inventory of Nation River Tributaries (approx, title). In Preparation for Canadian Forest Products Ltd. (BCMELP Library, PG)

(23) Grant, D. 1985. A Reconnaissance Survey of Munro Lake. (Location: Regional Lake Inventory Files, PG)

(24) Gunville, G.F. 1977(a). An Inventory of Klawli River and Tributaries. (Location: Regional Lake Inventory Files, PG)

(25) Gunville, G.F. 1977(b). An Inventory of Chuchi Lake and its Tributaries. BCMELP, Fish and Wildlife Branch, Victoria. BCMELP, Fish and Wildlife Branch, Victoria, BC. (Location: BCMELP Library, PG)

(26) Gunville, G.R. 1977(c). An Inventory of Tchentlo Lake and Tributaries. (Location: BCMELP Library, PG)

(27) Hunter, M.J. 1997(a). A Reconnaissance Survey of Unnamed Lake (Profile Lake). PWFWCP, Report No. 142. 27 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(28) Hunter, M.J 1997(b). A Reconnaissance Survey of Unnamed Lake (Sylvester Lake West). PWFWCP, Report No. 143. 21 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(29) Hunter, M.J. 1997(c). A Reconnaissance Survey of Unnamed Lake (Sylvester Lake East). PWFWCP, Report No. 144. 27 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(30) Hunter, M.J 1997(d). A Reconnaissance Survey of Unnamed Lake (Moose Lake). PWFWCP, Report No. 146. 23 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(31) Hunter, M.J 1997(e). A Reconnaissance Survey of Unnamed Lake (Little MacDonald Lake). PWFWCP, Report No. 147. 23 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(32) Hunter, M.J. 1997(f). A Reconnaissance Survey of Unnamed Lake (Apostrophe Lake). PWFWCP, Report No. 148. 26 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(33) Hunter, M.J. 1997(g). A Reconnaissance Survey of Unnamed Lake (Fish Hook Lake). PWFWCP, Report No. 160. 23 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(34) Jesson, D.A. 1989. A Reconnaissance Survey of Robinson Lake. PWFWCP, Report No. 93. 18 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(35) Jesson, D.A. 1990. A Reconnaissance Survey of Finger Lake. PWFWCP, Report No. 100. 22 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(36) Kielau, D., W.H. Hepper, and D.D. Podmore. 1968. Reconnaissance of the Stuart, Nation and Babine River Drainage System. (Location: Parks North Library, PG)

(37) Langston, A.R., and R.J. Zemlak. 1997. Summary of the 1994 Fish Trapping Operations on Suschona and Sylvester Creeks. PWFWCP, Report No. 76. 12 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(38) Langston, A.R. 1993(a). Water Temperatures of the Nation and Mesilinka River Systems 1992. PWFWCP, Report No. 74. 29 pp. (Location: PWFWCP Library, PG)

(39) Langston, A.R. 1993(b). Water Temperatures of the Nation and Mesilinka River Systems 1993. PWFWCP, Report No. 75. 56 pp. (Location: PWFWCP Library, PG)

(40) Langston, A.R. 1995. Water Temperatures of the Nation and Mesilinka River Systems 1995. PWFWCP, Report No. 83. 22 pp. (Location: PWFWCP Library, PG)

(41) Langston, A.R. 1996. Water Temperatures of the Nation and Mesilinka River Systems 1996. PWFWCP, Report No. 84. 14 pp. (Location: PWFWCP Library, PG)

(42) Langston, A.R., and R.J. Zemlak. 1994. Water Temperatures of the Nation and Mesilinka River System 1994. PWFWCP, Report No. 79. 22 pp. (Location: PWFWCP Library, PG)

(43) Langston, A.R., and R.J. Zemlak. 1998. Williston Reservoir Stocked Kokanee Spawning Assessment, 1994. PWFWCP Report No. 176. 13 pp. (+Appendices). (Location: PWFWCP Library, PG)

(44) McLean, A. R. 1992. A Reconnaissance Survey of Little Calais Lake. PWFWCP, Report No. 112. 23 pp. (+Appendices). (Location: PWFWCP Library, PG)

(45) McLean, A.R., and B.G. Blackman. 1991. Williston Watershed Aerial Kokanee *(Oncorhynchus nerka)* Spawning Survey 1990. PWFWCP, Report No. 62. 10 pp. (+Appendices). (Location: PWFWCP Library, PG)

(46) Melnik, J.J. (Environmental Dynamics Inc., Prince George, BC). 1997. 1995 and 1 996 Fish and Fish Habitat Inventory within the Nation River Watershed Group. Prepared for Canadian Forest Products Ltd., Fort St. James, BC. (Location: BCMELP Library, PG)

(47) Retzer, C.M. 1989. Spawning and Rearing Habitat Assessment of Williston Reservoir Tributaries. PWFWCP, Report No. 56. 35 pp. (Location: PWFWCP Library, PG)

(48) Stoddard, E.M. (EMS Aquatic Services). 1996. Northeastern British Columbia Sportfish, Rare and Endangered Fish Species Distribution Maps (Note: this reference includes information on more than 1 50 water bodies in the Williston Reservoir Watershed). (BCMELP, Fisheries Branch, Victoria)

(49) Terra Pro GPS Survey Ltd. 1998. Slocan Group, Mackenzie Operation, 1997 Reconnaissance-Level Fish Habitat Inventory, Blackwater/Philip-Nation Operating Area (incl, a full set of 1:20,000 maps and a 1:250,000 overview map). (Location: BCMELP, Fisheries Branch, PG)

(50) Zemlak, R.J., and A.R. Langston. 1997. Water Temperatures of the Nation and Mesilinka River Systems 1997. PWFWCP, Report No. 127. 16 pp. (Location: PWFWCP Library, PG)

14.3 PLANNING REPORTS

(1) BCMELP. 1983(a). Finlay-Omineca Environmental Plan: Terms of Reference. (Location: BCMELP Library, PG)

(2) BCMELP. 1983(b). Finlay-Omineca Environmental Plan: Technical Report. (Location: BCMELP Library, Victoria)

(3) BCMELP. 1989. Finlay-Omineca Strategic Environmental Plan: Plan Summary. (Location: BCMELP Library, PG)

(4) Blackman, B.G. (in prep.). Summary of Fisheries Activities: Projects Initiated in 1988. In Preparation for Submission to PWFWCP (Location: PWFWCP office, PG) ✓

(5) Blackman, B.G., D. Jesson, D. Ableson, and T. Down. 1990. Williston Lake Fisheries Compensation Program Management Plan. PWFWCP, Report No. 58. 38 pp. (Location: PWFWCP Library, PG) ✓

(6) Blackman, B.G. April 1998 (DRAFT). A Strategic Plan for the Conservation and Restoration of Arctic Grayling in the Williston Reservoir Watershed. 20 pp. (Location: PWFWCP office, PG) ✓

(7) Bruce, P.G., and PJ. Starr. 1985. Photodocumentation of Williston Lake Tributaries for the 1975 Assessment of Fisheries Resource Potential. (Location: BCMELP Library, FSJ)

(8) Koning, C.W., K.I. Ashley, P.A. Slaney, R.W. Land, and P.W. Davidson. 1995. Development of a Premier Northern River Fishery: Mesilinka River Pre-Fertilization Progress 1992-93. PWFWCP, Report No. 82. 37 pp. (Location: PWFWCP Library, PG) ✓

(9) Langston, A.R. 1992. Stream Fertilization Feasibility Study 1991 Data Report. PWFWCP, Report No. 66. 56 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(10) Langston, A.R., and B.G. Blackman. 1993. Fisheries Resources and Enhancement Potentials of Selected Tributaries of the Williston Reservoir, Volume II. PWFWCP, Report No. 70. 185 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(11) Langston, A.R., A.R. McLean, and B.G. Blackman. 1991. Small Lake Inventory and Enhancement Program Preliminary Progress and Enhancement Report on 1991 Field Activities. PWFWCP, Report No. 61. 20 pp. (Location: PWFWCP Library, PG) ✓

(12) McLean, A.R., and A.R. Langston. 1992. Small Lake Program Summary 1989-1992. PWFWCP, Report No. 65. 19 pp. (Location: PWFWCP Library, PG) ✓

(13) McLean, A.R., and A.R. Langston. 1993. Current Status and Potential Enhancement Projects of Selected Small Lakes in the Omineca/Peace Region. PWFWCP, Report No. 68. 26 pp. (Location: PWFWCP Library, PG) ✓

(14) McLean, A.R., and A.R. Langston. 1993. Current Status and Potential Enhancement Projects of Selected Small Lakes in the Omineca/Peace Region. PWFWCP, Report No. 68. 26 pp. (Location: PWFWCP Library, PG) ✓

(15) Northcote, T.G. 1993. A Review of Management and Enhancement Options for the Arctic Grayling *(Thymallus arcticus]* with Special Reference to the Williston Reservoir Watershed in British Columbia. PWFWCP, Report No. 78. 69 pp. (Location: PWFWCP Library, PG and UNBC Stacks) ✓

(16) Wood, M.D., and B.G. Blackman. 1998. Peace/Williston Fish and Wildlife Compensation Program Annual Report 1997/98. PWFWCP, Report No. 181. 17 pp. (Location: PWFWCP Library, PG)

14.4 ENHANCEMENT PROJECTS

(1) Langston, A.R. 1993(a). Water Temperatures of the Nation and Mesilinka River Systems 1992. PWFWCP, Report No. 74. 29 pp. (Location: PWFWCP Library, PG)

(2) Langston, A.R. 1993(b). Water Temperatures of the Nation and Mesilinka River Systems 1993. PWFWCP, Report No. 75. 56 pp. (Location: PWFWCP Library, PG)

(3) Langston, A.R. 1995. Water Temperatures of the Nation and Mesilinka River Systems 1995. PWFWCP, Report No. 83. 22 pp. (Location: PWFWCP Library, PG)

(4) Langston, A.R. 1996. Water Temperatures of the Nation and Mesilinka River Systems 1996. PWFWCP, Report No. 84. 14 pp. (Location: PWFWCP Library, PG)

(5) Langston, A.R., and R.J. Zemlak. 1994. Water Temperatures of the Nation and Mesilinka River System 1994. PWFWCP, Report No. 79. 22 pp. (Location: PWFWCP Library, PG)

(6) Langston, A.R., and R.J. Zemlak. 1998. Williston Reservoir Stocked Kokanee Spawning Assessment, 1994. PWFWCP Report No. 176. 13 pp. (+Appendices). (Location: PWFWCP Library, PG)

(7) McLean, A.R. 1991. Fish Habitat Enhancement Potential and Stocking Assessment of Burden Lake. PWFWCP, Report No. 116. 12 pp. (+Appendices). (Location: PWFWCP Library, PG)

(8) Zemlak, R.J., and A.R. Langston. 1997. Water Temperatures of the Nation and Mesilinka River Systems 1997. PWFWCP, Report No. 127. 16 pp. (Location: PWFWCP Library, PG)

14.5 ENHANCEMENT EVALUATIONS

(1) Langston, A.R., and R.J. Zemlak. 1998. Williston Reservoir Stocked Kokanee Spawning Assessment, 1994. PWFWCP Report No. 176. 13 pp. (+Appendices). (Location: PWFWCP Library, PG)

14.6 ENVIRONMENTAL IMPACT STUDIES, POLLUTANTS AND CONTAMINANTS

(1) Continental Gold Corporation. 1991. Mt. Mulligan Project, Summary of Stage I Report. 35 pp. (Location: Pollution Prevention, PG)

(2) Placer Dome Inc. 1992. Mt. Mulligan Project, Stage I Report: Technical Report for the Development of Water Quality Criteria. Prepared for Continental Gold Corporation (a subsidiary of Placer Dome Inc.). (Location: Pollution Prevention, PG)

(3) Placer Dome Inc., and Hallam Knight Piesold Ltd. 1991 (a). Mt. Mulligan Project, Stage I Report (Volume 2 - Environmental Description). Prepared for Continental Gold Corporation (a subsidiary of Placer Dome Inc.). (Location: Pollution Prevention, PG)

(4) Placer Dome Inc., Hallam Knight Piesold Ltd., and Knight and Piesold Ltd. 1991 (b). Mt. Mulligan Project, Stage I Report (Volume 3 -- Appendices). Prepared for Continental Gold Corporation (a subsidiary of Placer Dome Inc.). (Location: Pollution Prevention, PG)

(5) Placer Dome Inc., Hallam Knight Piesold Ltd., and Knight and Piesold Ltd. 1991 (c). Mt. Mulligan, Stage I Report - Environmental Protection and Waste Management Plan. Prepared for Continental Gold Corporation (a subsidiary of Placer Dome Inc.). (Location: Pollution Prevention, PG)

(6) Watson, T.A., O. Flemming, R.V. Bogdonov, and H.A. Smith. 1990. Mercury Levels in Fish from the Williston Lake Area of North Central British Columbia: A Mercuriferous Zone. In: Seventh Annual Aquatic Workshop Proceeding 199. (Location: BCMELP Library, Victoria)

14.7 BASIC RESEARCH

(1) Stamford, M. 1996. Arctic Grayling DNA Project, Peace/Williston Fish and Wildlife Compensation Program. (PWFWCP Library, PG and BCMELP, Fisheries Branch, Victoria)

14.8 FEDERAL FLOW GAUGING STATIONS (WATER SURVEY)

Station No.	Station Name	Latitude (deg min sec)	Longitude (deg min sec)	Established (mm/dd/yy	Status
07ED003	Nation River Near Mouth	55 25 38	123 37 58	01/01/81	Active
07ED001	Nation River North of Fort St. James	55 12 00	124 14 00	06/13/38	Non-Active (since 01/01/96)

14.9 PROVINCIAL FLOW GAUGING STATIONS (WATER MANAGEMENT BRANCH)

None of the available data fall into this category.

14.10 PROVINCIAL EMS SITES (WATER CHEMISTRY)

EMS Site No.	Site Name	No. Samples	First Sampling Date (mm/dd/yy)
E209680	Rainbow Creek & Philip Main Road (Mt. Mulligan Mine impact assessment)	10	08/01/90
E209681	Rainbow Creek tributary & side road (Mt. Mulligan Mine impact assessment)	1	08/01/90
E209683	Upper Rainbow Creek (Mt. Mulligan Mine impact assessment)	11	08/02/90
E209685	Rainbow Creek u/s Nation River (Mt. Mulligan Mine impact assessment)	11	08/02/90
E209686	Nation River d/s of Rainbow Creek (Mt. Mulligan Mine impact assessment)	11	08/02/90
E228246	Kwanika Creek	1	06/11/78

PART K. PARSNIP RIVER SUB-BASIN

15.1 LIST OF NAMED LAKES AND STREAMS

LAKES

1. Arctic Lake
2. Azouzetta Lake
3. Bruce Lake
4. Chudnuslida Lake
5. Chuyazega Lake
6. Destilida Lake
7. Fern Lake
8. Firth Lake
9. Fishhook Lake
10. Goose Lake
11. Hodda Lake
12. Horseshoe Lake
13. Hourston Lake
14. Tacheeda Lakes
15. Tlooki Lake
16. Wicheeda Lake
17. Windy Point Lake

STREAMS

1. Annie Creek
2. Anzac River
3. Anzac River, North
4. Bijoux Creek
5. Braathen Creek
6. Caswell Creek
7. Chuyazega Creek
8. Coulbourne Creek
9. Crocker Creek
10. Declier Creek
11. Distilida Creek
12. Fast Creek
13. Firth Creek
14. Hodda Creek
15. Hominka River
16. Honeymoon Creek
17. Hungry Moose Creek
18. Isadore Creek
19. Misinchinka River
20. Missinka River
21. Old Friend Creek
22. Parsnip River
23. Ralston Creek
24. Reynolds Creek
25. Stack Creek
26. Table River
27. Tacheeda Creeks
28. Trappers Creek
29. Wichcika Creek
30. Wooyadilinka Creek

15.2 INVENTORY PROJECTS

(1) Acres Consulting Services Ltd. 1984. Hydraulic and Fishery Evaluation: Table, Sukunka and Wolverine Rivers. (Location: BCMELP Library, FSJ)

(2) Barrett, D.T., and T.G. Halsey. 1985. Fisheries Resources and Fisheries Potential of Williston Reservoir and its Tributary Streams, Volume 1: Fisheries Resources and Fisheries Potential of Williston Reservoir. BCMELP, Fisheries Technical Circular No. 68. (Location: UBC Woodward Library)

(3) BCMELP. 1976(a). Chudnuslida Lake Data. (Location: Regional Lake Inventory Files, PG)

(4) BCMELP. 1976(b). Fern Lake Data. (Location: Regional Lake Inventory Files, PG)

(5) BCMELP. 1976(c). Destilida Lake Data. (Location: Regional Lake Inventory Files, PG)

(6) BCMELP. 1976(d). Wicheeda Lake Data. (Location: Regional Lake Inventory Files, PG)

(7) BCMELP. 1986. Arctic Lake Data. (Location: Regional Lake Inventory Files, PG)

(8) BCMELP. 1995. Fishhook Lake Data. (Location: Regional Lake Inventory Files, PG)

(9) Bruce, P., and P.J. Starr. 1985. Fisheries Resources and Fisheries Potential of Williston Reservoir and its Tributary Streams, Volume 2: Fisheries Resources Potential of Williston Lake Tributaries, a Preliminary Overview. BCMELP, Fisheries Technical Circular No. 69. (Location: BCMELP Library, PG and UNBC Microform 90-06966)

(10) EDI Environmental Dynamics Inc. 1997. Video Surveys of the Ospika, Osilinka, Parsnip, Hominka and Messinka Rivers and Associated Mapsheets (approximate title). Prepared for BCMELP and PWFWCP. (Location: PWFWCP files, PG)

(11) Girard, R.W. 1982. Report on Water Quality Studies of Azouzetta Lake. BC Ministry of Environment, Lands and Parks, Waste Management Branch, Prince George, BC). (Location: BCMELP Library, PG)

(12) Gunville, G.F. 1976. An Inventory of the Tacheeda Lake System. (Location: Regional Lake Inventory Files, PG)

(13) Gunville, G.F. 1977(a). An Inventory of Reynolds Creek and its Tributaries. (Location: Regional Lake Inventory Files, PG)

(14) Gunville, G.F. 1977(b). An Inventory of the Firth-Hourson Lake System. (Location: Regional Lake Inventory Files, PG)

(15) Gunville, G.F. 1977(c). An Inventory of Destilida Creek and its Tributaries. (Location: Regional Lake Inventory Files, PG)

(16) Gunville, G.F. 1977(d). An Inventory of the Fern Lake System. (Location: Regional Lake Inventory Files, PG)

(17) Hunter, M.J 1997(a). A Reconnaissance Survey of Chuyazega Lake. PWFWCP, Report No. 170. 23 pp. (+Appendices). (Location: PWFWCP Library, PG)

(18) Hunter, M.J. 1997(b). A Reconnaissance Survey of Chudnuslida Lake. PWFWCP, Report No. 171. 22 pp. (+Appendices). (Location: PWFWCP Library, PG)

(19) Jesson, D.A. 1989. A Reconnaissance Survey of Bruce Lake. PWFWCP, Report No. 86. 18 pp. (+Appendices). (Location: PWFWCP Library, PG)

(20) Langston, A.R. 1998. A Reconnaissance Survey of the Table River: 1995 Status Report. PWFWCP Report No. 178. 31 pp. (Location: PWFWCP Library, PG)

(21) Little, B. 1983. A Reconnaissance Survey of Goose Lake. (Location: Regional Lake Inventory Files, PG)

(22) Mathias, K., A.R. Langston, and R.J. Zemlak. 1998. A Summary Report of the Table River Surveys 1996 Status Report. PWFWCP, Report No. 180. 62 pp. (Location: PWFWCP Library, PG) ✓

(23) McLean, A.R. 1989. A Reconnaissance Survey of Windy Point Lake. PWFWCP Report No. 97. 18 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(24) McLean, A.R., and B.G. Blackman. 1991. Williston Watershed Aerial Kokanee *(Oncorhynchus nerka)* Spawning Survey 1990. PWFWCP, Report No. 62. 10 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(25) Norecol, Dames & Moore Inc. 1 994. Fish Habitat Inventory in Streams Along the Proposed Pipeline Corridor: Alternative for the Proposed Grizzly Expansion Project, April-August, 1994. (Location: BCMELP Library, Victoria)

(26) Retzer, C.M. 1989. Spawning and Rearing Habitat Assessment of Williston Reservoir Tributaries. PWFWCP, Report No. 56. 35 pp. (Location: PWFWCP Library, PG) ✓

(27) Sigma Resource Consultants Ltd. 1980. Environmental Aspects of Proposed BCR Anzac-Quintette Branch Line. (Location: BCMELP Library, FSJ)

(28) Stoddard, E.M. (EMS Aquatic Services). 1996. Northeastern British Columbia Sportfish, Rare and Endangered Fish Species Distribution Maps (Note: this reference includes information on more than 150 water bodies in the Williston Reservoir Watershed). (BCMELP, Fisheries Branch, Victoria)

(29) Terra Pro GPS Survey Ltd. (Fort St. John, BC). 1996 GPS/Stream Video Surveys: (1) Parsnip River Tributaries; (2) Mesilinka River and Tributaries; and (3) Osilinka River Tributaries (incl. full set of 1:20,000 maps and a 1:250,000 overview map). Prepared for BCMELP, Prince George Region and PWFWCP. (Location: BCMELP, Fisheries Branch, PG) ✓

(30) Waberski Darrow Survey Group Ltd. (Fort St. John, BC). 1995(a). Watershed Restoration Video. Table River, Tape 95275-1. Prepared for PWFWCP. (Location: BCMELP Library, PG) ✓

(31) Waberski Darrow Survey Group Ltd. (Fort St. John, BC). 1995(b). Watershed Restoration Video recording: Table River Tributaries, Tape 95275-2. Prepared for PWFWCP. (Location: BCMELP Library, PG) ✓

(32) Waberski Darrow Survey Group Ltd. (Fort St. John, BC). 1995(c). Watershed Restoration Video recording: Anzac River, Tape 95275-3. Prepared for PWFWCP. (Location: BCMELP Library, PG) ✓

(33) Webber, T.N. 1983(a). A Reconnaissance Survey of Firth Lake. (Location: Regional Lake Inventory Files, PG)

(34) Webber, T.N. 1983(b). A Reconnaissance Survey of Hourston Lake. (Location: Regional Lake Inventory Files, PG)

(35) Zemlak, R.J., and A.R. Langston. 1998. Fish Species Presence and Abundance of the Table River 1995. PWFWCP, Report No. 173. 28 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

15.3 PLANNING REPORTS

(1) BCMELP. 1983(a). Finlay-Omineca Environmental Plan: Terms of Reference. (Location: BCMELP Library, PG)

(2) BCMELP. 1983(b). Finlay-Omineca Environmental Plan: Technical Report. (Location: BCMELP Library, Victoria)

(3) BCMELP. 1989. Finlay-Omineca Strategic Environmental Plan: Plan Summary. (Location: BCMELP Library, PG)

(4) Blackman, B.G. (in prep.). Summary of Fisheries Activities: Projects Initiated in 1988. In Preparation for Submission to PWFWCP (Location: PWFWCP office, PG) ✓

(5) Blackman, B.G., D. Jesson, D. Ableson, and T. Down. 1990. Williston Lake Fisheries Compensation Program Management Plan. PWFWCP, Report No. 58. 38 pp. (Location: PWFWCP Library, PG) ✓

(6) Blackman, B.G. April 1998 (DRAFT). A Strategic Plan for the Conservation and Restoration of Arctic Grayling in the Williston Reservoir Watershed. 20 pp. (Location: PWFWCP office, PG) ✓

(7) Bruce, P.G., and PJ. Starr. 1985. Photodocumentation of Williston Lake Tributaries for the 1975 Assessment of Fisheries Resource Potential. (Location: BCMELP Library, FSJ)

(8) Langston, A.R. 1992. Stream Fertilization Feasibility Study 1991 Data Report. PWFWCP, Report No. 66. 56 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(9) Langston, A.R., and B.G. Blackman. 1993. Fisheries Resources and Enhancement Potentials of Selected Tributaries of the Williston Reservoir, Volume II. PWFWCP, Report No. 70. 185 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(10) McLean, A.R., and A.R. Langston. 1992. Small Lake Program Summary 1989-1992. PWFWCP, Report No. 65. 19 pp. (Location: PWFWCP Library, PG) ✓

(11) McLean, A.R., and A.R. Langston. 1993. Current Status and Potential Enhancement Projects of Selected Small Lakes in the Omineca/Peace Region. PWFWCP, Report No. 68. 26 pp. (Location: PWFWCP Library, PG) ✓

(12) Northcote, T.G. 1993. A Review of Management and Enhancement Options for the Arctic Grayling *(Thymallus arcticus)* with Special Reference to the Williston Reservoir Watershed in British Columbia. PWFWCP, Report No. 78. 69 pp. (Location: PWFWCP Library, PG and UNBC Stacks) ✓

(13) Wood, M.D., and B.G. Blackman. 1998. Peace/Williston Fish and Wildlife Compensation Program Annual Report 1997/98. PWFWCP, Report No. 181. 17 pp. (Location: PWFWCP Library, PG) ✓

(14) Zemlak, R.J., and A.R. Langston. 1994. Fish Habitat Enhancement Potential and Stocking Assessment of Bruce Lake. PWFWCP, Report No. 123. 12 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

15.4 ENHANCEMENT PROJECTS

(1) Langston, A.R. 1993. Firth Creek Habitat Enhancement Project 1993. PWFWCP Report, No. 77. 9 pp (+Appendices). (Location: PWFWCP Library, PG) ✓

15.5 ENHANCEMENT EVALUATIONS

None of the available data fall into this category.

15.6 ENVIRONMENTAL IMPACT STUDIES, POLLUTANTS AND CONTAMINANTS

(1) Withler, T.L. 1959. Fisheries Problems Associated with Development of the Peace River and Upper Tributaries for Hydro-Electric Purposes. (Location: BCMELP Library, Victoria)

15.7 BASIC RESEARCH

(1) Stamford, M. 1996. Arctic Grayling DNA Project, Peace/Williston Fish and Wildlife Compensation Program. (PWFWCP Library, PG and BCMELP, Fisheries Branch, Victoria) ✓

15.8 FEDERAL FLOW GAUGING STATIONS (WATER SURVEY)

Station No.	Station Name	Latitude (degminsec)	Longitude (degminsec)	Established (mm/dd/yy)	Status
07EE007	Parsnip River u/s Misinchinka River	55 04 55	122 54 44	10/12/67	Active

15.9 PROVINCIAL FLOW GAUGING STATIONS (WATER MANAGEMENT BRANCH)

Station Name*	Latitude (°N)	Longitude (°W)	Established Date	Status
Upper Anzac River	54°59.12	122° 10.19	Oct. 1997	Active
Upper Missinka River	54° 36.99	121°42.64	Oct. 1997	Active
Coulbourne Creek	55° 03.33	122°39.103	Oct. 1997	Active

* Information from Dr. Adam Wei, BCMELP, Water Management Branch, Prince George

15.10 PROVINCIAL EMS SITES (WATER CHEMISTRY)

EMS Site No.	Site Name	No. Samples	First Sampling Date (mm/dd/yy)
0920084	Parsnip River @ Highway 97	7	05/07/85
E206655	Azouzetta Lake Deep Station	8	06/08/87
E206756	Misinchinka River 700 m d/s Bijoux Creek	6	08/05/86
E227132	Azouzetta Lake Littoral Site	1	08/08/97

PART L. CROOKED-PACK RIVERS SUB-BASIN

16.1 LIST OF NAMED LAKES AND STREAMS

LAKES

1. Ant Lake
2. Bear Lake
3. Blue Lake
4. Bonnington Lake
5. Boot Jack Lake
6. Butternut Lake
7. Carp Lake
8. Carr Lake
9. Crystal Lake
10. Davie Lake
11. Dominion Lake
12. Easter Lake
13. Echo Lake
14. Enquist Lake
15. Ermine Lake
16. Fisher Lake
17. Fluff Lake
18. Garnetred Lake
19. Hambone Lake
20. Hammett Lake
21. Hand Lake
22. Hart Lake
23. Iroquois Lake
24. Jakes Lake
25. Kerry Lake
26. Lho Lakes
27. Loch Lang
28. Lost Lake
29. McEwan Lake
30. McIntyre Lake
31. McLeod Lake
32. Monk Lake
33. Redrocky Lake
34. Royer Lake
35. Sabai Lake
36. Snowshoe Lake
37. Spade Lake
38. Summit Lake
39. Summit Lake, Upper

LAKES (CONT.)

40. Swamp Grass Lake
41. Tie Mill Lake
42. Tudya Lake
43. Turner Lake
44. War Lake
45. Warhorse Lake
46. Weedon Lake
47. Whisper Lake
48. Whusnatsidzih Lake
49. Windy Lake

STREAMS

1. Altezega Cree
2. Angusmac Creek
3. August Creek
4. Bonnington Creek
5. Caine Creek
6. Chuchinka Creek
7. Crooked River
8. Des Creek
9. Hammett Creek
10. Holder Creek
11. Lincoln Creek
12. McDougall River
13. McLeod River
14. Moffat Creek
15. Pack River
16. Pelton Creek
17. Redrocky Creek
18. Reed Creek
19. Tsatchuka Creek
20. Weedon Creek
21. Whiskers Creek

16.2 INVENTORY PROJECTS

(1) Angell, M.W. 1984. Carp Lake Creel Survey, 1984. (Location: BCMELP Library, PG)

(2) Barrett, D.T., and T.G. Halsey. 1985. Fisheries Resources and Fisheries Potential of Williston Reservoir and its Tributary Streams, Volume 1: Fisheries Resources and Fisheries Potential of Williston Reservoir. BCMELP, Fisheries Technical Circular No. 68. (Location: UBC Woodward Library)

(3) Barry, S. 1990. Hart Lake: Assessment of Rainbow Trout Population. (Location: Regional Lake Inventory Files, PG)

(4) BCMELP. 1975. Carp Lake Creel Survey: 1974, 1975 and some Data from 1972. BC Ministry of Environment, Lands and Parks, Prince George, BC. (Location: BCMELP Library, PG)

(5) BCMELP. 1976. Carp Lake Creel Census, 1976. BC Ministry of Environment, Lands and Parks, Prince George, BC. (Location: BCMELP Library, PG)

(6) BCMELP. 1982(a). Carp Lake Park Creel Survey: 1982, Including Some Information on the Biology of Rainbow Trout *(Salmo Gairdneri)* and Burbot *(Lota Lota)* of Carp Lake. BC Ministry of Environment, Lands and Parks, Prince George, BC. (Location: BCMELP Library, PG)

(7) BCMELP. 1982(b). Warhorse Lake Data. (Location: Regional Lake Inventory Files, PG)

(8) BCMELP. 1985. Carp Lake Creel Survey, 1985. BC Ministry of Environment, Lands and Parks, Prince George, BC. (Location: BCMELP Library, PG)

(9) BCMELP. 1987. Hart Lake Data. (Location: Regional Lake Inventory Files, PG)

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(45) Pinsent, M.E. 1972. Report on the Sport Fishery of Carp Lake During the Summer 1972. BC Ministry of Environment, Lands and Parks, Prince George, BC. (Location: Parks North Library, PG)

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16.3 PLANNING REPORTS

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(2) BCMELP. 1983(b). Finlay-Omineca Environmental Plan: Terms of Reference. (Location: BCMELP Library, PG)

(3) BCMELP. 1983(c). Finlay-Omineca Environmental Plan: Technical Report. (Location: BCMELP Library, Victoria)

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(5) Blackman, B.G. (in prep.). Summary of Fisheries Activities: Projects Initiated in 1 988. In Preparation for Submission to PWFWCP (Location: PWFWCP office, PG)

(6) Blackman, B.G., D. Jesson, D. Ableson, and T. Down. 1990. Williston Lake Fisheries Compensation Program Management Plan. PWFWCP, Report No. 58. 38 pp. (Location: PWFWCP Library, PG)

(7) Blackman, B.G. April 1998 (DRAFT). A Strategic Plan for the Conservation and Restoration of Arctic Grayling in the Williston Reservoir Watershed. 20 pp. (Location: PWFWCP office, PG)

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(14) McLean, A.R., and A.R. Langston. 1992. Small Lake Program Summary 1989-1992. PWFWCP, Report No. 65. 19 pp. (Location: PWFWCP Library, PG) ✓

(15) McLean, A.R., and A.R. Langston. 1993. Current Status and Potential Enhancement Projects of Selected Small Lakes in the Omineca/Peace Region. PWFWCP, Report No. 68. 26 pp. (Location: PWFWCP Library, PG) ✓

(16) Northcote, T.G. 1993. A Review of Management and Enhancement Options for the Arctic Grayling *(Thymallus arcticus)* with Special Reference to the Williston Reservoir Watershed in British Columbia. PWFWCP, Report No. 78. 69 pp. (Location: PWFWCP Library, PG and UNBC Stacks) ✓

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16.4 ENHANCEMENT PROJECTS

(1) Griffiths, R.P. 1978. Hart Lake Rehabilitation. (Location: Regional Lake Inventory Files, PG)

(2) McNaughton, S.L. 1983. Hart Lake: A Chemical Rehabilitation (Location: Regional Lake Inventory Files, PG)

16.5 ENHANCEMENT EVALUATIONS

None of the available data fall into this category.

16.6 ENVIRONMENTAL IMPACT STUDIES, POLLUTANTS AND CONTAMINANTS

None of the available data fall into this category.

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(2) Stamford, M. 1996. Arctic Grayling DNA Project, Peace/Williston Fish and Wildlife Compensation Program. (PWFWCP Library, PG and BCMELP, Fisheries Branch, Victoria) ✓

16.8 FEDERAL FLOW GAUGING STATIONS (WATER SURVEY)

Station No.	Station Name	Latitude (deg min sec)	Longitude (deg min sec)	Established (mm/dd/yy)	Status
07EE010	Pack River @ Outlet of MC	54 59 45	123 02 08	01/01/81	Active

16.9 PROVINCIAL FLOW GAUGING STATIONS (WATER MANAGEMENT BRANCH)

None of the available data fall into this category.

16.8 PROVINCIAL EMS SITES (WATER CHEMISTRY)

EMS Site No.	Site Name	No. Samples	First Sampling Date (mm/dd/yy)
E206639	Summit Lake North Arm Deep Station	33	05/15/85
E206640	Summit Lake Southeast Deep Station	40	05/15/85
E206652	Davie Lake Deep Station	7	05/29/86
E208799	McLeod Lake sewage @ final outfall	40	09/06/88
E227199	Upper Summit Lake Deep Station	31	07/17/97
E227202	Jakes Lake Deep Station	31	07/14/97
E227203	Jakes Lake Littoral Site	1	07/14/97
E227430	Hart Lake Deep Station	1	07/26/97
E227432	Hart Lake Littoral Site	1	07/26/97
E227556	Echo Lake Deep Station	2	10/16/84

PART M. DINOSAUR RESERVOIR SUB-BASIN

17.1 LIST OF NAMED LAKES AND STREAMS

LAKES

1. Dinosaur Lake
2. Moosecall Lake
3. Wright Lake

STREAMS

1. Burnt Trail Creek
2. Dowling Creek
3. Gaylard Creek
4. Gething Creek
5. Johnson Creek
6. Mogul Creek
7. Moosebar Creek
8. Track Creek
9. White Rock Creek

17.2 INVENTORY PROJECTS

(1) Barrett, D.T., and T.G. Halsey. 1985. Fisheries Resources and Fisheries Potential of Williston Reservoir and its Tributary Streams, Volume 1: Fisheries Resources and Fisheries Potential of Williston Reservoir. BCMELP, Fisheries Technical Circular No. 68. (Location: UBC Woodward Library)

(2) BCMELP. 1986. Aerial Creel Survey of Selected Waters in the South Peace River Area of British Columbia, 1985. (Location: BCMELP Library, FSJ)

(3) PWFWCP. 1990. Wright Lake Survey Report July 1990(Location: BCMELP Library, FSJ)

(4) De Vries, A. 1996. Fish and Fish Habitat Inventory of Gaylard Tributary and Seven Mile Creek Tributary (Gaylard Creek, Dinosaur Lake Basin and Seven Mile Creek, Peace Reach). Prepared for Canadian Forest Products Ltd. (Chetwynd Division). (Location: BCMELP, Fisheries Branch, Victoria and Prince George)

(5) IEC International Environmental Consultants Ltd. 1981. The Preliminary Environmental Assessment of the Peace River Canyon Coal Project. (Location: BCMELP Library, FSJ)

(6) Langston, A.R., and R.J. Zemlak. 1994. A Reconnaissance Survey of Gaylard Creek and Bull Trout Habitat Suitability. PWFWCP, Report No. 140. 16 pp. (Location: PWFWCP Library, PG)

(7) Marlim Ecological Consulting. 1995. Stream Classification for: Proposed Blocks for Chetwynd Division - DRAFT (Dinosaur Lake Basin, Dowling Creek, Gaylard Creek and Peace Reach, Carbon Creek). (Location: BCMELP, Fisheries Branch, FSJ)

(8) McLean, A.R., and D.A. Jesson. 1990. A Reconnaissance Survey of Wright Lake. PWFWCP Report No. 102. 20pp. (+Appendices)

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(14) Thurber Consultants Ltd. 1974. Third Peace River 500 kV Transmission Line Preliminary Environmental Assessment. (Location: BCMELP Library, FSJ)

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17.3 PLANNING REPORTS

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(3) BCMELP. 1983(b). Finlay-Omineca Environmental Plan: Technical Report. (Location: BCMELP Library, Victoria)

(4) BCMELP. 1989. Finlay-Omineca Strategic Environmental Plan: Plan Summary. (Location: BCMELP Library, PG)

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(6) Blackman, B.G., D. Jesson, D. Ableson, and T. Down. 1990. Williston Lake Fisheries Compensation Program Management Plan. PWFWCP, Report No. 58. 38 pp. (Location: PWFWCP Library, PG) ✓

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(10) McLean, A.R., and A.R. Langston. 1993. Current Status and Potential Enhancement Projects of Selected Small Lakes in the Omineca/Peace Region. PWFWCP, Report No. 68. 26 pp. (Location: PWFWCP Library, PG) ✓

(11) Northcote, T.G. 1993. A Review of Management and Enhancement Options for the Arctic Grayling *(Thymallus arcticus)* with Special Reference to the Williston Reservoir Watershed in British Columbia. PWFWCP, Report No. 78. 69 pp. (Location: PWFWCP Library, PG and UNBC Stacks) ✓

(12) Western Renewable Resources Ltd. 1988. Feasibility Study of the Peace Canyon Trout Hatchery. (Location: BCMELP Library, FSJ)

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17.4 ENHANCEMENT PROJECTS

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(4) BCMELP (Culture Section). 1994. Subregional Fish Release Records Database. (Williston Lake, Dunlevy Creek, Dowling Creek, Pete Creek, Carbon Creek, Gaylard Creek, Wright Lake, Gething Creek, Burnt Creek, and Johnson Creek areas). (Location: BCMELP Library, FSJ)

(5) Pattendon, R., and G. Ash. 1993. Dinosaur Lake Summer Creel Surveys: Results of the 1988 Program and a Five Year Review (1984-1988). PWFWCP, Report No. 73. 26 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

(6) Pattenden, R., and G. Ash. 1993. Fisheries Enhancement Options for Dinosaur Lake: A Review. PWFWCP, Report No. 72. 38 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

17.5 ENHANCEMENT EVALUATIONS

(1) Hammond, R.J. 1984. Evaluation of the Dinosaur Lake Stocking Program, 1983: Year 1. (Location: BCMELP, Fisheries Branch, FSJ)

(2) Hammond, R.J. 1985. Dinosaur Lake Summer Creel Census, 1985. (Location: BCMELP, Fisheries Branch, FSJ)

(3) Hammond, R.J. 1986. Evaluation of the Dinosaur Lake Stocking Program, 1984: Year 2. (Location: BCMELP, Fisheries Branch, FSJ)

(4) Hammond, R.J. 1987(a). Dinosaur Lake Summer Creel Survey, 1987. (Location: BCMELP, Fisheries Branch, FSJ)

(5) Hammond, R.J. 1987(b). Evaluation of the Dinosaur Lake Stocking Program, 1986: Year 4. (Location: BCMELP, Fisheries Branch, FSJ)

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(7) Pattenden, R., and G. Ash. 1993. Dinosaur Lake Summer Creel Surveys: Results of the 1988 Program and a Five Year Review (1984-1988). PWFWCP, Report No. 73. 26 pp. (+Appendices). (Location: PWFWCP Library, PG) ✓

17.6 ENVIRONMENTAL IMPACT STUDIES, POLLUTANTS AND CONTAMINANTS

(1) Ash, J.R. 1976. Site One Development: Fisheries Study Phase III (Johnson Creek, Moosebar Creek, Dowling Creek, Gaylard Creek, Burnt Creek, Gething Creek and Wright Lake areas). (Location: BCMELP Library, FSJ)

17.7 BASIC RESEARCH

(1) Stamford, M. 1996. Arctic Grayling DNA Project, Peace/Williston Fish and Wildlife Compensation Program. (PWFWCP Library, PG and BCMELP, Fisheries Branch, Victoria) ✓

17.8 FEDERAL FLOW GAUGING STATIONS (WATER SURVEY)

None of the available data fall into this category.

17.9 PROVINCIAL FLOW GAUGING STATIONS (WATER MANAGEMENT BRANCH)

None of the available data fall into this category.

17.10 PROVINCIAL EMS SITES (WATER CHEMISTRY)

None of the available data fall into this category.

APPENDIX A

(Projects done outside of primary study area)

A.1 INVENTORY PROJECTS

(1) Hohndorf, H., G. Hopcraft, and T. Down. 1993. Stream Surveys of the West (Upper) Moberly River Watershed (Summer, 1992). PWFWCP, Report No. 67. 17 pp. (+appendices). (Location: PWFWCP Library, PG) ✓

(2) Langston, A.R., and A.R. McLean. 1991. A Reconnaissance Survey of Simpson Lake. PWFWCP, Report No. 110. 22 pp. (+appendices). (Location: PWFWCP Library, PG) ✓

(3) Langston, A.R. 1998. A Reconnaissance Survey of Wolf Lake. 1998. PWFWCP, Report No. 134. 21 pp. (+appendices). (Location: PWFWCP Library, PG) ✓

(4) Langston, A.R., and A.R. McLean. 1998. A Reconnaissance Survey of Otto Lake. PWFWCP, Report No. 133. 19 pp. (+appendices). (Location: PWFWCP Library, PG) ✓

(5) Langston, A.R., and A.R. McLean. 1998. A Reconnaissance Survey of Le Moray Lake (#2). PWFWCP, Report No. 135. 20 pp. (+appendices). (Location: PWFWCP Library, PG) ✓

(6) Langston, A.R., and A.R. McLean. 1998. A Reconnaissance Survey of Le Moray Lake (#3). PWFWCP, Report No. 136. 23 pp. (+appendices). (Location: PWFWCP Library, PG) ✓

(7) McLean, A.R. 1991. A Reconnaissance Survey of Le Moray Lake (#1). PWFWCP, Report No. 107. 22 pp. (+appendices). (Location: PWFWCP Library, PG) ✓

(8) Norecol, Dames & Moore Inc. 1994. Fish Habitat in Streams along the Proposed Gas Pipeline Corridor: Alternatives for the Pine River Gas Processing Plant, Phase II Expansion, September/October, 1993. (Location: BCMELP Library, FSJ)

A.2 PLANNING REPORTS

(1) Langston, A.R., A.R. McLean, and B.G. Blackman. 1991. Small Lake Inventory and Enhancement Program Preliminary Progress and Enhancement Report on 1991 Field Activities. PWFWCP, Report No. 61. 20 pp. (Location: PWFWCP Library, PG) ✓

(2) McLean, A.R., and A.R. Langston. 1992. Small Lake Program Summary 1989-1992. PWFWCP, Report No. 65. 19 pp. (Location: PWFWCP Library, PG) ✓

(3) McLean, A.R., and A.R. Langston. 1993. Current Status and Potential Enhancement Projects of Selected Small Lakes in the Omineca/Peace Region. PWFWCP, Report No. 68. 26 pp. (Location: PWFWCP Library, PG) ✓

(4) Slaney, T.L., and V.A. Lewynsky. 1991. Walleye Feasibility Study: Moberly and Gwillam Lakes. PWFWCP, Report No. 60. 76 pp. (+appendices). (Location: PWFWCP Library, PG) ✓

(5) Wood, M.D., and B.G. Blackman. 1998. Peace/Williston Fish and Wildlife Compensation Program Annual Report 1997/98. PWFWCP, Report No. 181. 17 pp. (Location: PWFWCP Library, PG) ✓

A.3 ENHANCEMENT PROJECTS

(1) Langston, A. R., and R.J. Zemlak. 1998. Simpson Lake Rainbow Trout Transplant, 1994. PWFWCP, Report No. 139. 9 pp. (Location: PWFWCP Library, PG) ✓

A.4 ENHANCEMENT EVALUATIONS

None of the available data fall into this category.

A.5 ENVIRONMENTAL IMPACT STUDIES, POLLUTANTS AND CONTAMINATION

None of the available data fall into this category.

A.6 BASIC RESEARCH

None of the available data fall into this category.

A.7 FEDERAL FLOW GAUGING STATIONS (WATER SURVEY)

Station No.	Station Name	Latitude (deg min sec)	Longitude (deg min sec)	Established (year)	Status
07EF001*	Peace River @ Hudson's Hope	52 01 39	121 53 56	1917	Active

* this is the upstream-most flow gauging site on the Peace River mainstem

A.8 PROVINCIAL FLOW GAUGING STATIONS (WATER MANAGEMENT BRANCH)

None of the available data fall into this category.

A.9 PROVINCIAL EMS SITES (WATER CHEMISTRY)

None of the available data fall into this category.